L16 ANSWER 24 OF 36 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1994:106561 CAPLUS
DOCUMENT NUMBER: 120:106561
TITLE: Preparation of carbamates and plant-protecting agents containing them
INVENTOR(S): Mueller, Bernd; Sauter, Hubert; Roehl, Franz; Doetzer, Reinhard; Lorenz, Gisela; Ammermann, Eberhard
PATENT ASSIGNEE(S): BASF A.-G., Germany
SOURCE: PCT Int. Appl., 764 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9315046	A1	19930805	WO 1993-EP104	19930118
W: AT, AU, BG, BR, CA, CH, DE, DK, ES, FI, GB, HU, JP, KP, KR, LK, LU, MG, MN, MW, NL, NO, PL, RO, RU				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, SN, TD, TG				
DE 4234012	A1	19940414	DE 1992-4234012	19921009
DE 4234028	A1	19940414	DE 1992-4234028	19921009
DE 4234067	A1	19940414	DE 1992-4234067	19921009
DE 4234081	A1	19940414	DE 1992-4234081	19921009
AU 9333514	A1	19930901	AU 1993-33514	19930118
AU 671974	B2	19960919		
EP 624155	A1	19941117	EP 1993-902227	19930118
EP 624155	B1	19980506		
EP 624155	B2	20021211		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, NL, PT, SE				
JP 07502747	T2	19950323	JP 1993-512897	19930118
HU 69026	A2	19950828	HU 1994-1961	19930118
HU 217905	B	20000528		
BR 9305817	A	19951226	BR 1993-5817	19930118
AT 165818	E	19980515	AT 1993-902227	19930118
ES 2116436	T3	19980716	ES 1993-902227	19930118
RU 2129118	C1	19990420	RU 1994-45970	19930118
CZ 288922	B6	20010912	CZ 1994-1785	19930118
IL 104489	A1	20020421	IL 1993-104489	19930122
ZA 9300604	A	19940728	ZA 1993-604	19930128
FI 9403523	A	19940727	FI 1994-3523	19940727
NO 9402814	A	19940728	NO 1994-2814	19940728
US 5824705	A	19981020	US 1994-256628	19940729
AU 9652465	A1	19960725	AU 1996-52465	19960523
AU 680592	B2	19970731		
US 5981532	A	19991109	US 1998-110884	19980707
US 6075148	A	20000613	US 1999-275767	19990325
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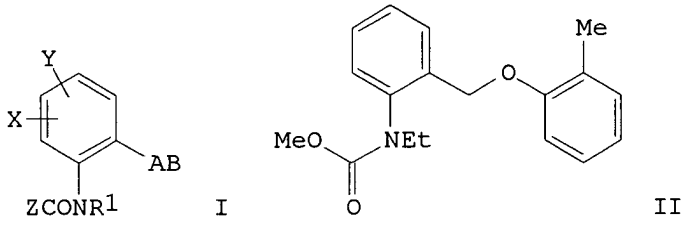
PRIORITY APPLN. INFO.:
DE 1992-4202386 A 19920129
DE 1992-4221007 A 19920626
DE 1992-4234012 A 19921009
DE 1992-4234028 A 19921009
DE 1992-4234067 A 19921009
DE 1992-4234081 A 19921009

WO 1993-EP104 A 19930118
US 1994-256628 A1 19940729
US 1998-110884 A3 19980707
US 1999-275767 A3 19990325

OTHER SOURCE(S): MARPAT 120:106561

GI



I II

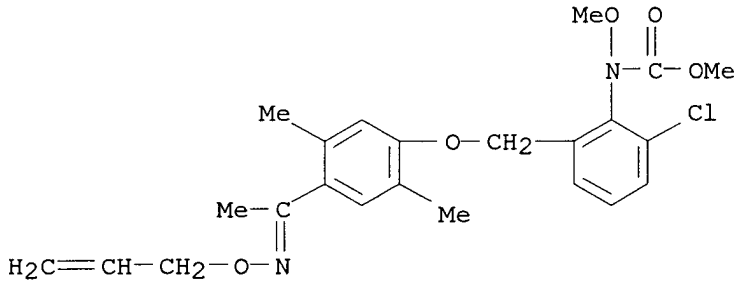
AB Title compds. [I; Z = MeO, NH2, NHMe, NMe2, Me, Et, CF3, CCl3; X, Y = H, F, Cl, Br, cyano, NO2, alkoxy, alkenyloxy, alkynyloxy, alkyl, alkenyl, alkynyl; XY = atoms to form a (substituted) (hetero)arom., alicyclic, heterocyclic, partially or fully hydrogenated ring; R1 = H, (substituted) alkyl, alkenyl, alkynyl, cyclopropyl, cyclopropylmethyl, cyclobutyl, CH2CN, CH2OMe, CO2Me, alkoxy, alkenyloxy, alkynyloxy, etc.; A = O, S, CR2:NO, C.tplbond.C, CHR2O2C, OCHR2, bond, etc.; R2 = H, alkyl, alkenyl, alkynyl, cycloalkyl; B = H, cycloalkyl, cycloalkenyl, cycloalkynyl, aryl, heteroaryl, heterocyclyl, arylalkyl, etc.], were prepd. Thus, o-toluidine was stirred with ClCO2Me in CH2Cl2 to give 100% 2-MeC6H4NHCO2Me, which in DMF was treated with NaH and EtI to give 93% 2-MeC6H4NEtCO2Me. This was irradiated with NBS and azobisisobutyronitrile in CCl4 using a 300 W UV lamp to give 2-BrCH2C6H4NEtCO2Me. This was stirred with p-cresol and NaH in DMF to give title compd. II. Numerous I as 25 ppm sprays gave 95% control of Erysiphe graminis on wheat.

IT **151826-40-3P**

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 151826-40-3 CAPLUS

CN Carbamic acid, [2-chloro-6-[[2,5-dimethyl-4-[1-[(2-propenyloxy)imino]ethyl]phenoxy]methyl]phenyl]methoxy-, methyl ester (9CI)
(CA INDEX NAME)



IT **151826-88-9P 151826-89-0P 151826-90-3P**

151826-91-4P 151826-92-5P 151826-93-6P
151826-94-7P 151826-95-8P 151826-96-9P
151826-97-0P 151826-98-1P 151826-99-2P
151827-00-8P 151827-01-9P 151827-02-0P
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151827-06-4P 151827-07-5P 151827-08-6P
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151827-49-5P 151827-50-8P 151827-51-9P
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151827-77-9P 151827-92-8P 151828-29-4P
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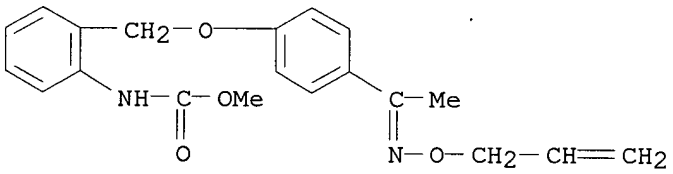
151828-77-2P 151829-05-9P 151829-06-0P
151829-07-1P 151829-08-2P 151829-09-3P
151829-10-6P 151830-10-3P 151830-11-4P
151830-12-5P 151830-13-6P
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of, as agrochem. fungicide)

RN 151826-88-9 CAPLUS
CN Carbamic acid,
[2-[[4-[1-[(2-propenyloxy)imino]ethyl]phenoxy]methyl]phenyl
]-, methyl ester (9CI) (CA INDEX NAME)



RN 151826-89-0 CAPLUS
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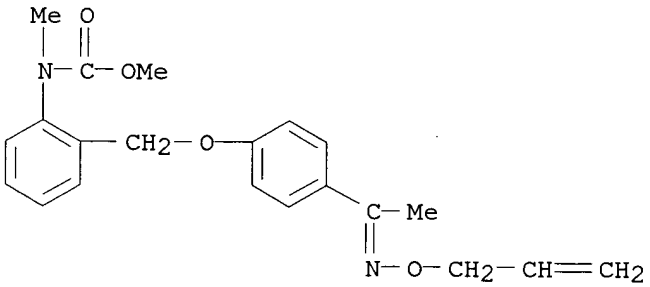
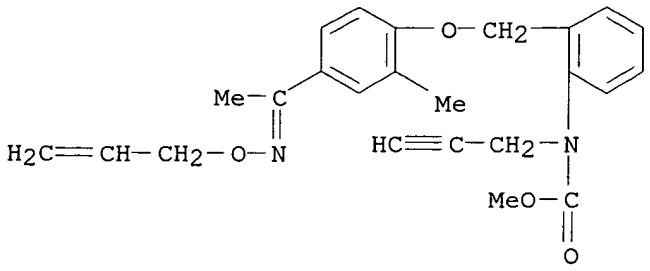
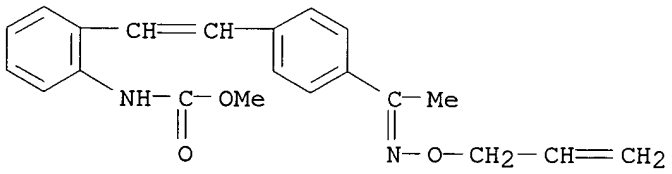
methyl[2-[[4-[1-[(2-propenyloxy)imino]ethyl]phenoxy]methyl]
phenyl]-, methyl ester (9CI) (CA INDEX NAME)



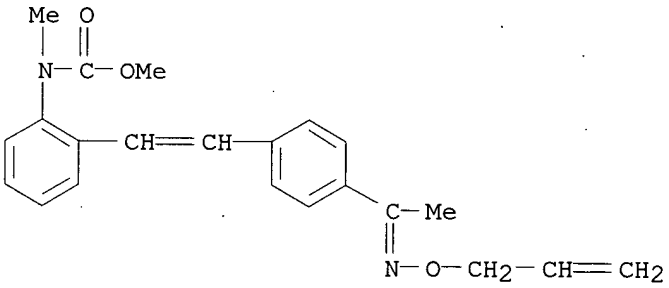
RN 151826-90-3 CAPLUS
CN Carbamic acid,
2-propenyl[2-[[4-[1-[(2-propenyloxy)imino]ethyl]phenoxy]met
hyl]phenyl]-, methyl ester (9CI) (CA INDEX NAME)



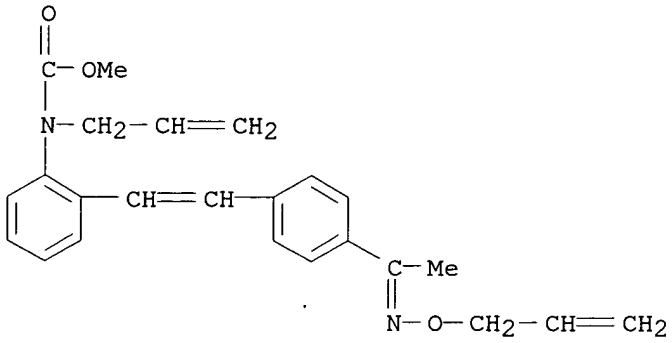
RN 151827-48-4 CAPLUS
CN Carbamic acid,
[2-[2-[4-[1-[(2-propenyloxy)imino]ethyl]phenyl]ethenyl]phen
yl]-, methyl ester (9CI) (CA INDEX NAME)



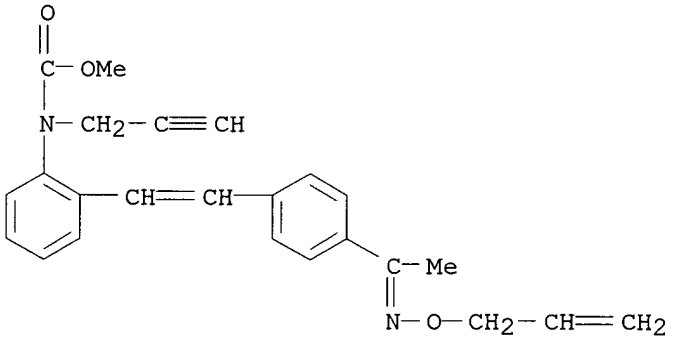
RN 151827-49-5 CAPLUS
CN Carbamic acid,
methyl[2-[2-[4-[1-[(2-propenyloxy)imino]ethyl]phenyl]etheny
l]phenyl]-, methyl ester (9CI) (CA INDEX NAME)



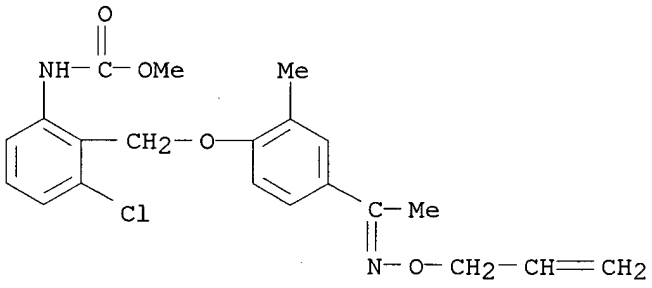
RN 151827-50-8 CAPLUS
CN Carbamic acid,
2-propenyl[2-[2-[4-[1-[(2-propenyloxy)imino]ethyl]phenyl]et
henyl]phenyl]-, methyl ester (9CI) (CA INDEX NAME)



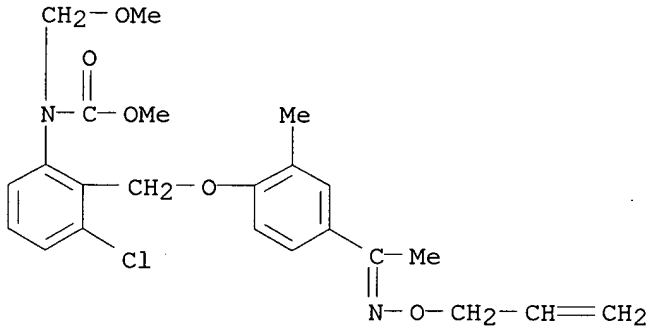
RN 151827-51-9 CAPLUS
CN Carbamic acid,
[2-[2-[4-[1-[(2-propenyloxy)imino]ethyl]phenyl]ethenyl]phen
yl]-2-propynyl-, methyl ester (9CI) (CA INDEX NAME)



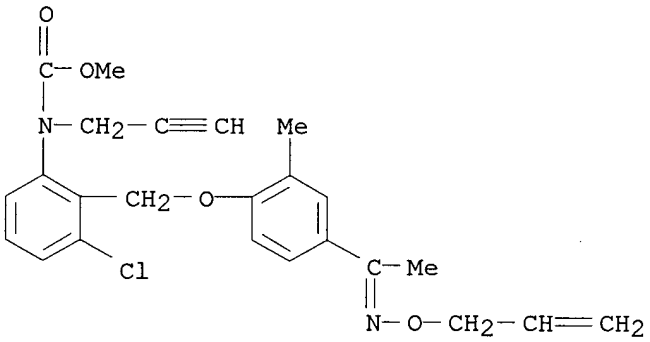
RN 151827-74-6 CAPLUS
CN Carbamic acid, [3-chloro-2-[[2-methyl-4-[1-[(2-
propenyloxy)imino]ethyl]phenoxy]methyl]phenyl]-, methyl ester (9CI) (CA
INDEX NAME)



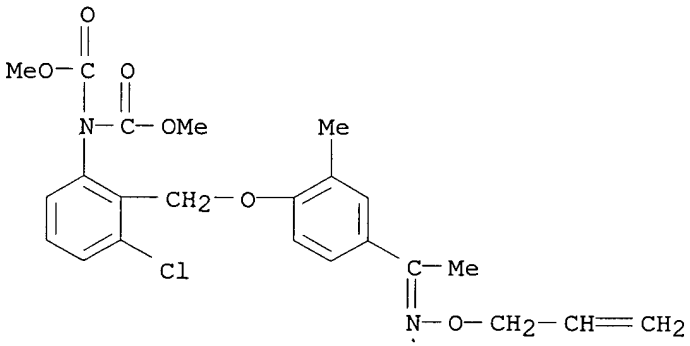
RN 151827-75-7 CAPLUS
CN Carbamic acid, [3-chloro-2-[[2-methyl-4-[1-[(2-
propenyloxy)imino]ethyl]phenoxy]methyl]phenyl](methoxymethyl)-, methyl
ester (9CI) (CA INDEX NAME)



RN 151827-76-8 CAPLUS
CN Carbamic acid, [3-chloro-2-[[2-methyl-4-[1-[(2-propenyloxy)imino]ethyl]phenoxy]methyl]phenyl]-2-propynyl-, methyl ester (9CI) (CA INDEX NAME)

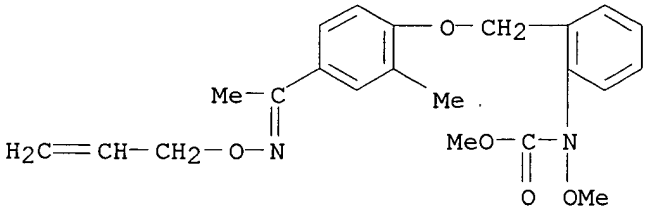


RN 151827-77-9 CAPLUS
CN Imidodicarbonic acid, [3-chloro-2-[[2-methyl-4-[1-[(2-propenyloxy)imino]ethyl]phenoxy]methyl]phenyl]-, dimethyl ester (9CI) (CA
INDEX NAME)



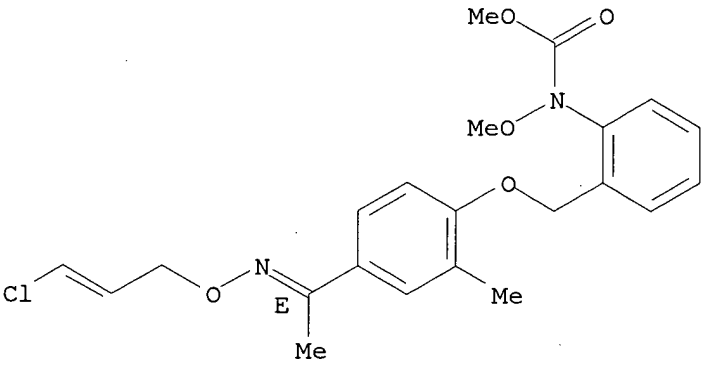
RN 151827-92-8 CAPLUS
CN Carbamic acid,
methoxy[2-[[2-methyl-4-[1-[(2-propenyloxy)imino]ethyl]pheno

xy]methyl]phenyl]-, methyl ester (9CI) (CA INDEX NAME)



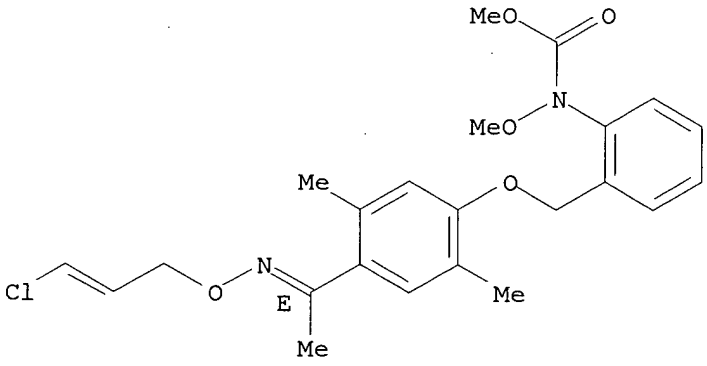
RN 151828-29-4 CAPLUS
CN Carbamic acid, [2-[[4-[1-[[(3-chloro-2-propenyl)oxy]imino]ethyl]-2-methylphenoxy]methyl]phenyl]methoxy-, methyl ester, (?,E)- (9CI) (CA INDEX NAME)

Double bond geometry as described by E or Z.



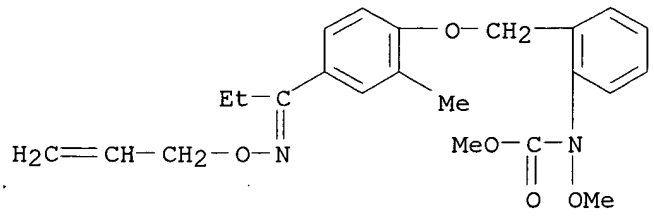
RN 151828-32-9 CAPLUS
CN Carbamic acid, [2-[[4-[1-[[(3-chloro-2-propenyl)oxy]imino]ethyl]-2,5-dimethylphenoxy]methyl]phenyl]methoxy-, methyl ester, (?,E)- (9CI) (CA INDEX NAME)

Double bond geometry as described by E or Z.



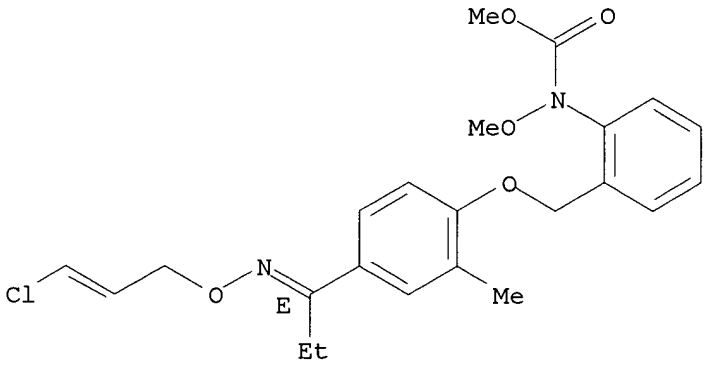
RN 151828-35-2 CAPLUS
CN Carbamic acid,
methoxy[2-[[2-methyl-4-[1-[(2-propenyloxy)imino]propyl]phen

oxy]methyl]phenyl]-, methyl ester (9CI) (CA INDEX NAME)

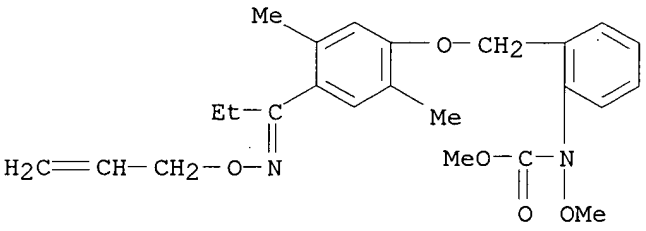


RN 151828-36-3 CAPLUS
CN Carbamic acid, [2-[[4-[1-[[(3-chloro-2-propenyl)oxy]imino]propyl]-2-methylphenoxy]methyl]phenyl]methoxy-, methyl ester, (?,E)- (9CI) (CA INDEX NAME)

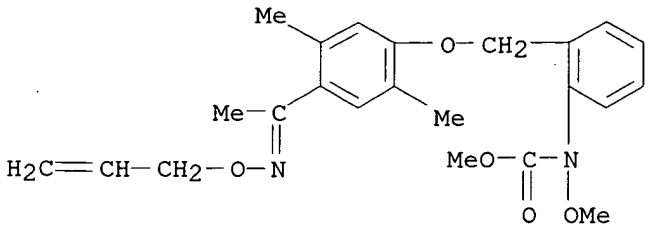
Double bond geometry as described by E or Z.



RN 151828-39-6 CAPLUS
CN Carbamic acid,
[2-[[2,5-dimethyl-4-[1-[(2-propenyloxy)imino]propyl]phenoxy]methyl]phenyl]methoxy-, methyl ester (9CI) (CA INDEX NAME)

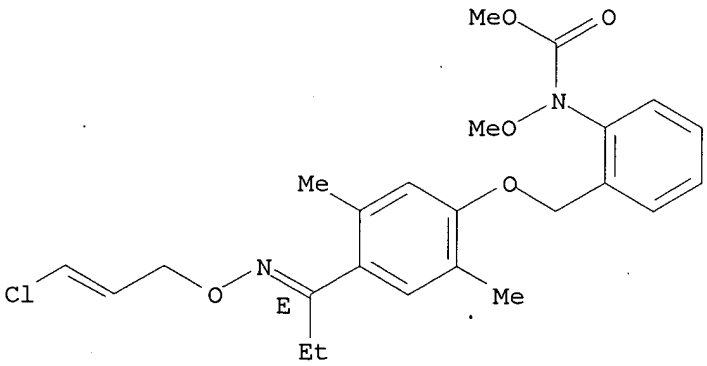


RN 151828-45-4 CAPLUS
CN Carbamic acid,
[2-[[2,5-dimethyl-4-[1-[(2-propenyloxy)imino]ethyl]phenoxy]methyl]phenyl]methoxy-, methyl ester (9CI) (CA INDEX NAME)

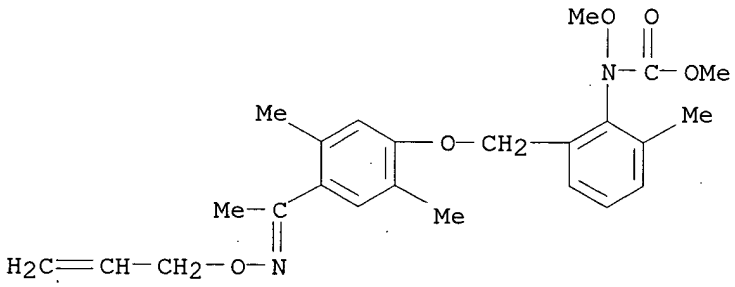


RN 151828-46-5 CAPLUS
CN Carbamic acid, [2-[[4-[1-[[(3-chloro-2-propenyl)oxy]imino]propyl]-2,5-dimethylphenoxy]methyl]phenyl]methoxy-, methyl ester, (?,E)- (9CI) (CA INDEX NAME)

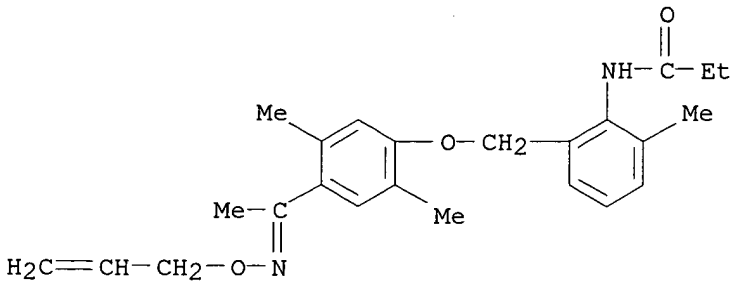
Double bond geometry as described by E or Z.



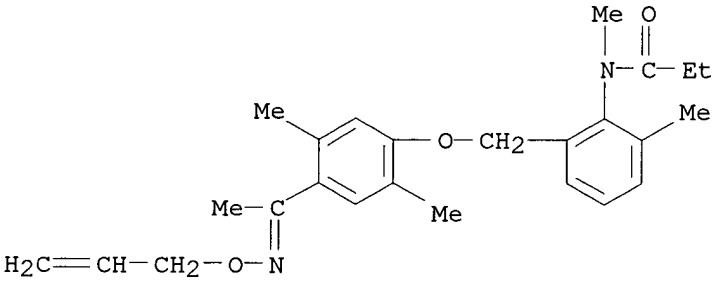
RN 151828-77-2 CAPLUS
CN Carbamic acid,
[2-[[2,5-dimethyl-4-[1-[(2-propenyloxy)imino]ethyl]phenoxy]methyl]-6-methylphenyl]methoxy-, methyl ester (9CI) (CA INDEX NAME)



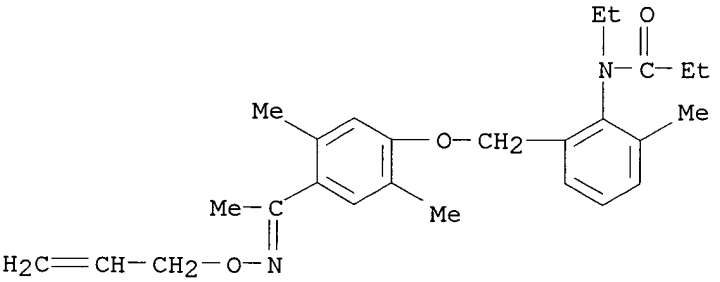
RN 151829-05-9 CAPLUS
CN Propanamide,
N-[2-[[2,5-dimethyl-4-[1-[(2-propenyloxy)imino]ethyl]phenoxy]methyl]-6-methylphenyl]- (9CI) (CA INDEX NAME)



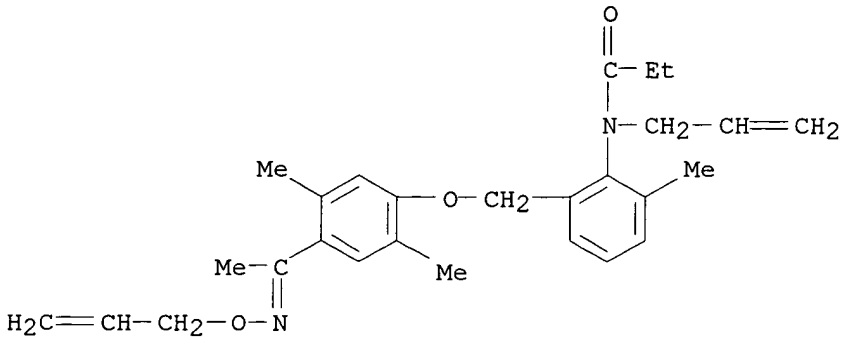
RN 151829-06-0 CAPLUS
CN Propanamide,
N-[2-[[2,5-dimethyl-4-[1-[(2-propenyloxy)imino]ethyl]phenoxy]
methyl]-6-methylphenyl]-N-methyl- (9CI) (CA INDEX NAME)



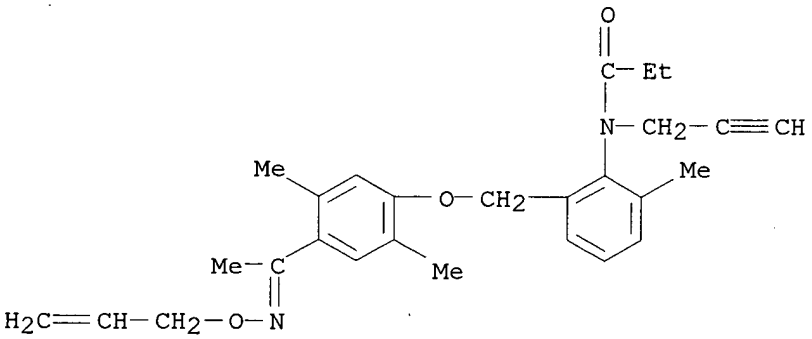
RN 151829-07-1 CAPLUS
CN Propanamide,
N-[2-[[2,5-dimethyl-4-[1-[(2-propenyloxy)imino]ethyl]phenoxy]
methyl]-6-methylphenyl]-N-ethyl- (9CI) (CA INDEX NAME)



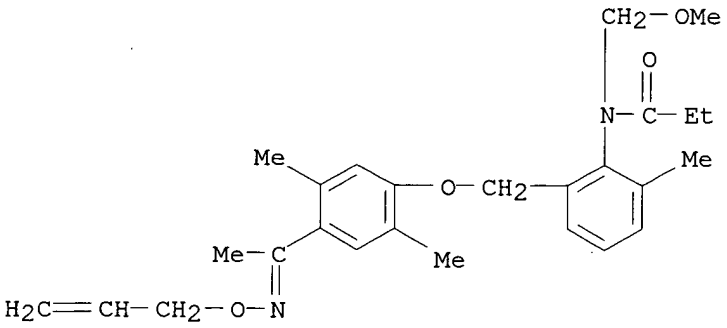
RN 151829-08-2 CAPLUS
CN Propanamide,
N-[2-[[2,5-dimethyl-4-[1-[(2-propenyloxy)imino]ethyl]phenoxy]
methyl]-6-methylphenyl]-N-2-propenyl- (9CI) (CA INDEX NAME)



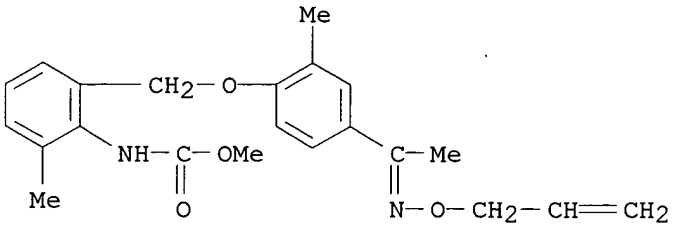
RN 151829-09-3 CAPLUS
CN Propanamide,
N-[2-[[2,5-dimethyl-4-[1-[(2-propenyloxy)imino]ethyl]phenoxy]
methyl]-6-methylphenyl]-N-2-propynyl- (9CI) (CA INDEX NAME)



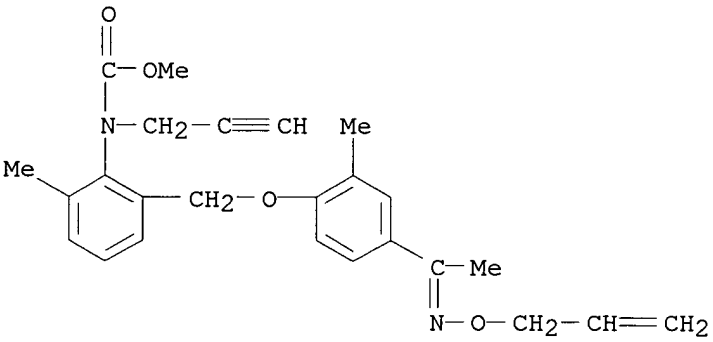
RN 151829-10-6 CAPLUS
CN Propanamide,
N-[2-[[2,5-dimethyl-4-[1-[(2-propenyloxy)imino]ethyl]phenoxy]
methyl]-6-methylphenyl]-N-(methoxymethyl)- (9CI) (CA INDEX NAME)



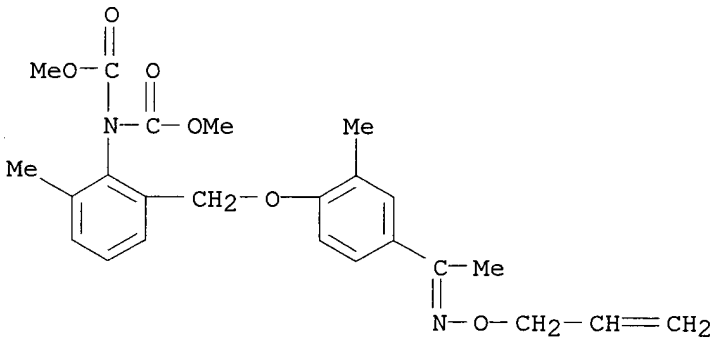
RN 151830-10-3 CAPLUS
CN Carbamic acid, [2-methyl-6-[[2-methyl-4-[1-[(2-
propenyloxy)imino]ethyl]phenoxy]methyl]phenyl]-, methyl ester (9CI) (CA
INDEX NAME)



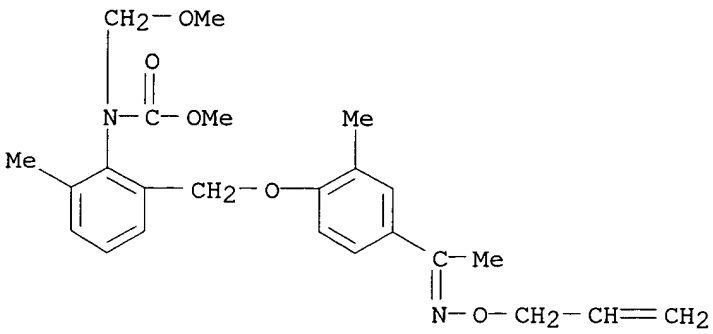
RN 151830-11-4 CAPLUS
CN Carbamic acid, [2-methyl-6-[[2-methyl-4-[1-[(2-propenyloxy)imino]ethyl]phenoxy]methyl]phenyl]-2-propynyl-, methyl ester (9CI) (CA INDEX NAME)



RN 151830-12-5 CAPLUS
CN Imidodicarbonic acid, [2-methyl-6-[[2-methyl-4-[1-[(2-propenyloxy)imino]ethyl]phenoxy]methyl]phenyl]-, dimethyl ester (9CI) (CA
INDEX NAME)



RN 151830-13-6 CAPLUS
CN Carbamic acid, (methoxymethyl)[2-methyl-6-[[2-methyl-4-[1-[(2-propenyloxy)imino]ethyl]phenoxy]methyl]phenyl]-, methyl ester (9CI) (CA INDEX NAME)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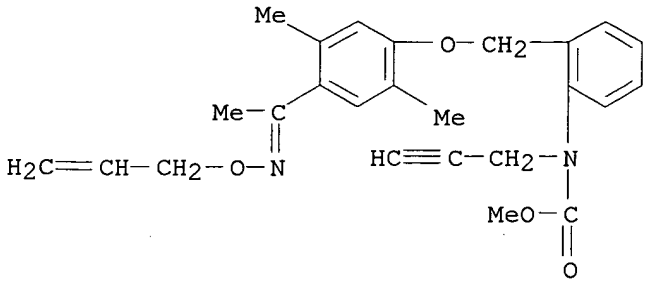
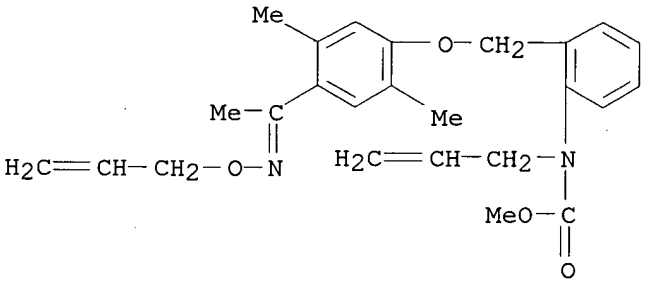
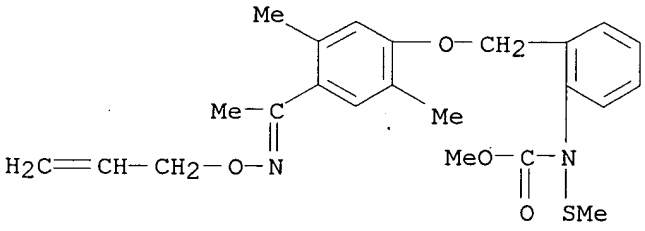
O
N— C— OMe
Me
Me
CH2— O
C— Me
N— O— CH2— CH═ CH2



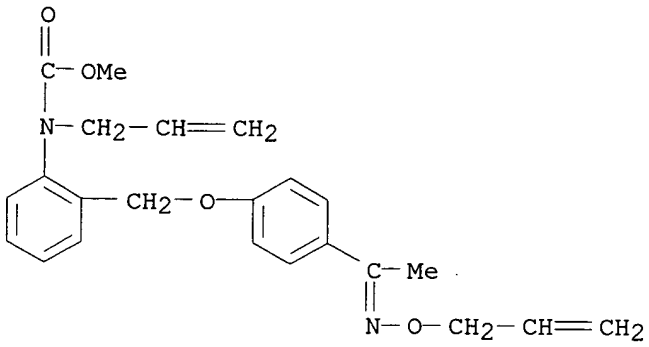
RN 151827-27-9 CAPLUS
CN Carbamic acid,
[2-[[2,5-dimethyl-4-[1-[(2-propenyloxy)imino]ethyl]phenoxy]
methyl]phenyl]-2-propenyl-, methyl ester (9CI) (CA INDEX NAME)



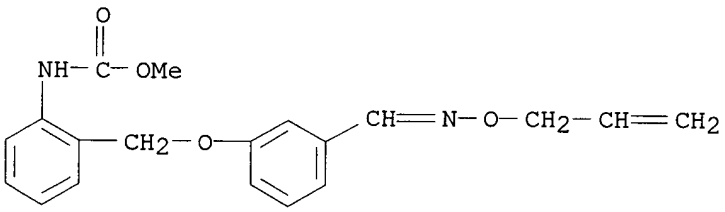
RN 151827-28-0 CAPLUS
CN Carbamic acid,
[2-[[2,5-dimethyl-4-[1-[(2-propenyloxy)imino]ethyl]phenoxy]
methyl]phenyl](methylthio)-, methyl ester (9CI) (CA INDEX NAME)



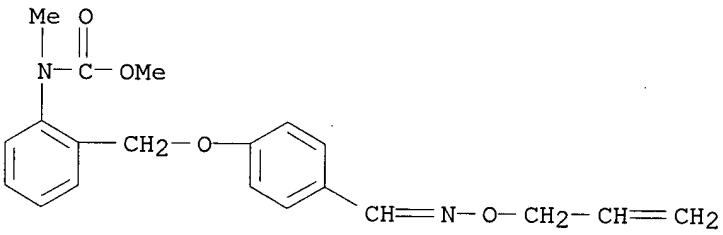
RN 151827-30-4 CAPLUS
CN Carbamic acid,
[2-[[2-methyl-4-[1-[(2-propenyloxy)imino]ethyl]phenoxy]meth
yl]phenyl]-2-propynyl-, methyl ester (9CI) (CA INDEX NAME)



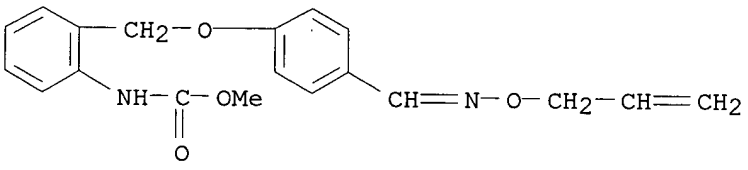
RN 151826-91-4 CAPLUS
CN Carbamic acid,
[2-[[3-[[(2-propenyloxy)imino]methyl]phenoxy]methyl]phenyl]-
, methyl ester (9CI) (CA INDEX NAME)

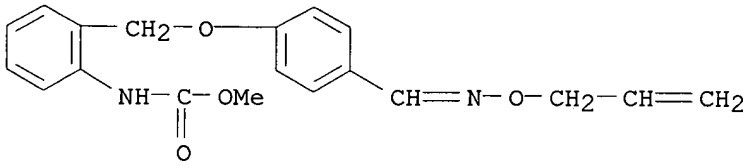


RN 151826-92-5 CAPLUS
CN Carbamic acid,
methyl[2-[[4-[[(2-propenyloxy)imino]methyl]phenoxy]methyl]p
henyl]-, methyl ester (9CI) (CA INDEX NAME)

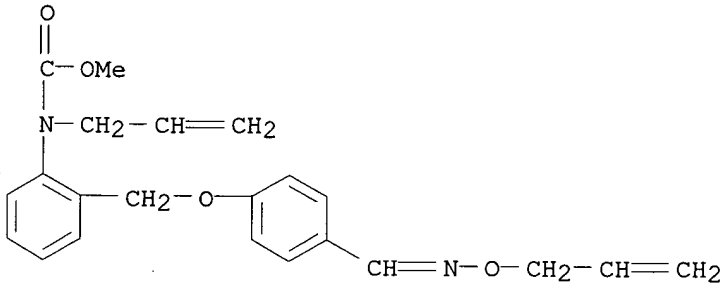


RN 151826-93-6 CAPLUS
CN Carbamic acid,
[2-[[4-[[(2-propenyloxy)imino]methyl]phenoxy]methyl]phenyl]-
, methyl ester (9CI) (CA INDEX NAME)

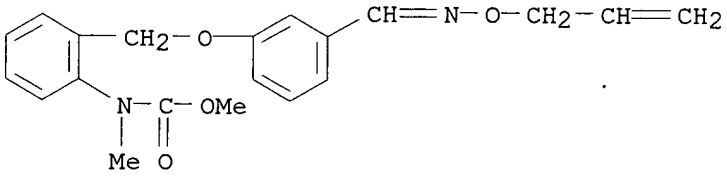




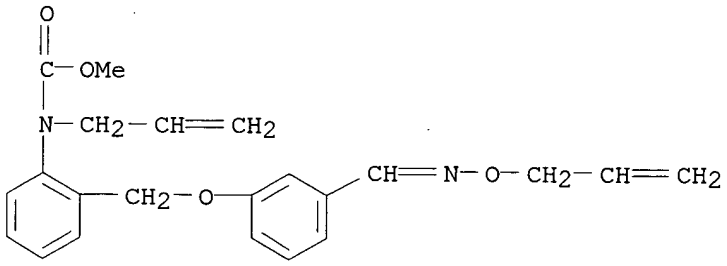
RN 151826-94-7 CAPLUS
CN Carbamic acid,
2-propenyl[2-[[4-[[(2-propenyloxy)imino]methyl]phenoxy]meth
yl]phenyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 151826-95-8 CAPLUS
CN Carbamic acid,
methyl[2-[[3-[[(2-propenyloxy)imino]methyl]phenoxy]methyl]p
henyl]-, methyl ester (9CI) (CA INDEX NAME)

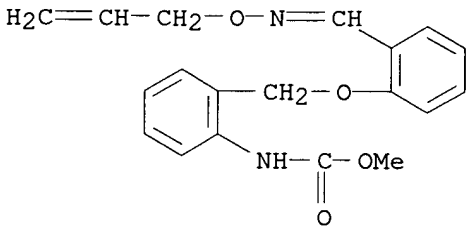


RN 151826-96-9 CAPLUS
CN Carbamic acid,
2-propenyl[2-[[3-[[(2-propenyloxy)imino]methyl]phenoxy]meth
yl]phenyl]-, methyl ester (9CI) (CA INDEX NAME)

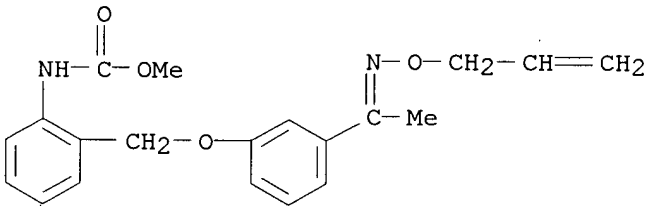


RN 151826-97-0 CAPLUS

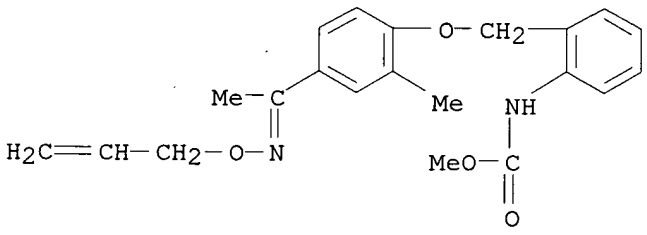
CN Carbamic acid,
[2-[[2-[[(2-propenyloxy)imino]methyl]phenoxy]methyl]phenyl]-
, methyl ester (9CI) (CA INDEX NAME)



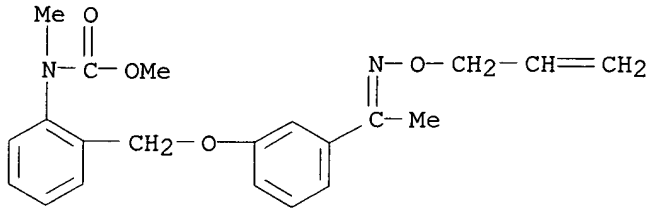
RN 151826-98-1 CAPLUS
CN Carbamic acid,
[2-[[3-[1-[(2-propenyloxy)imino]ethyl]phenoxy]methyl]phenyl
]-, methyl ester (9CI) (CA INDEX NAME)



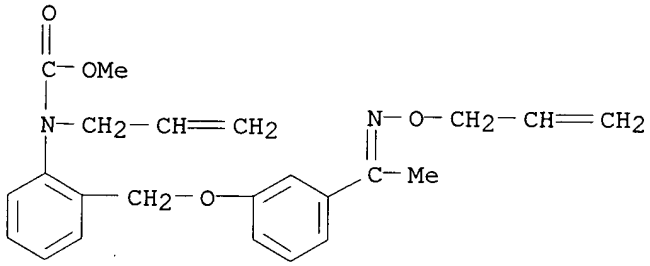
RN 151826-99-2 CAPLUS
CN Carbamic acid,
[2-[[2-methyl-4-[1-[(2-propenyloxy)imino]ethyl]phenoxy]meth
yl]phenyl]-, methyl ester (9CI) (CA INDEX NAME)



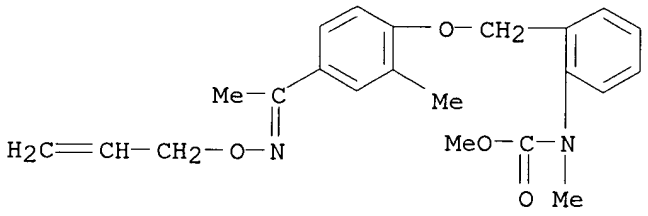
RN 151827-00-8 CAPLUS
CN Carbamic acid,
methyl[2-[[3-[1-[(2-propenyloxy)imino]ethyl]phenoxy]methyl]
phenyl]-, methyl ester (9CI) (CA INDEX NAME)



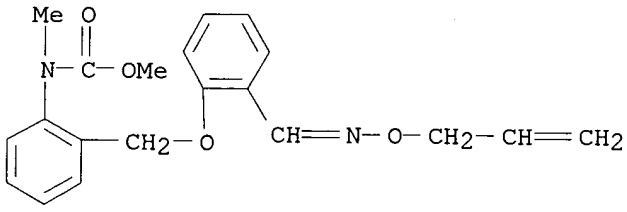
RN 151827-01-9 CAPLUS
CN Carbamic acid,
2-propenyl[2-[[3-[1-[(2-propenyloxy)imino]ethyl]phenoxy]met
hyl]phenyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 151827-02-0 CAPLUS
CN Carbamic acid,
methyl[2-[[2-methyl-4-[1-[(2-propenyloxy)imino]ethyl]phenox
y]methyl]phenyl]-, methyl ester (9CI) (CA INDEX NAME)

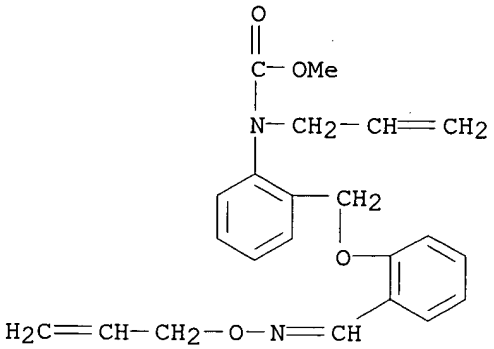


RN 151827-03-1 CAPLUS
CN Carbamic acid,
methyl[2-[[2-[[(2-propenyloxy)imino]methyl]phenoxy]methyl]p
henyl]-, methyl ester (9CI) (CA INDEX NAME)

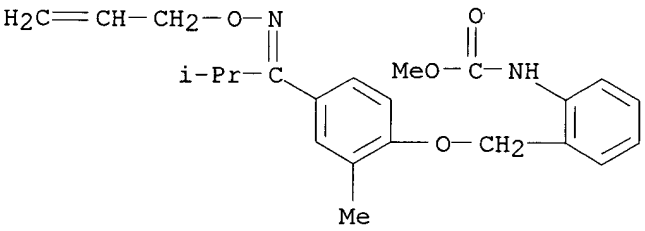


RN 151827-04-2 CAPLUS
CN Carbamic acid,
2-propenyl[2-[[2-[[(2-propenyloxy)imino]methyl]phenoxy]meth

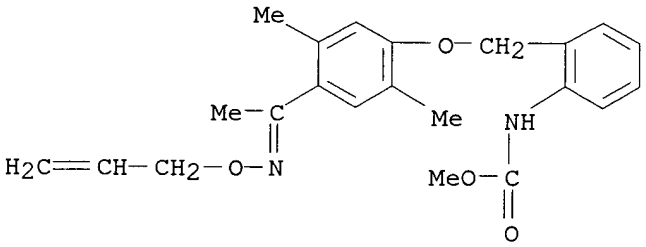
yl]phenyl]-, methyl ester (9CI) (CA INDEX NAME)



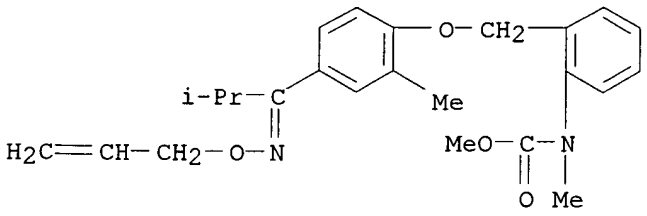
RN 151827-05-3 CAPLUS
CN Carbamic acid, [2-[[2-methyl-4-[2-methyl-1-[(2-propenyloxy)imino]propyl]phenoxy]methyl]phenyl]-, methyl ester (9CI) (CA INDEX NAME)



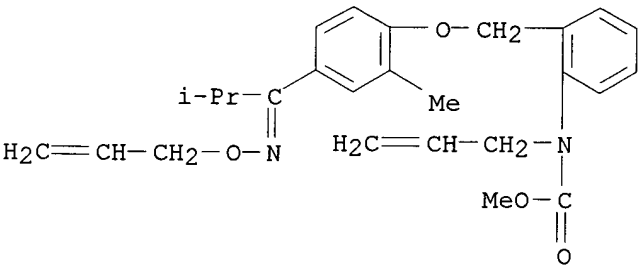
RN 151827-06-4 CAPLUS
CN Carbamic acid, [2-[[2,5-dimethyl-4-[1-[(2-propenyloxy)imino]ethyl]phenoxy]methyl]phenyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 151827-07-5 CAPLUS
CN Carbamic acid, methyl[2-[[2-methyl-4-[2-methyl-1-[(2-propenyloxy)imino]propyl]phenoxy]methyl]phenyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 151827-08-6 CAPLUS
CN Carbamic acid, [2-[[2-methyl-4-[2-methyl-1-[(2-propenyloxy)imino]propyl]phenoxy]methyl]phenyl]-2-propenyl-, methyl ester (9CI) (CA INDEX NAME)



RN 151827-17-7 CAPLUS
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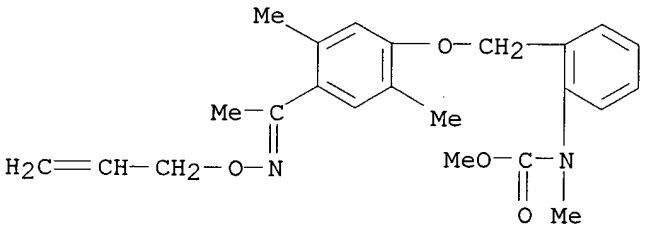
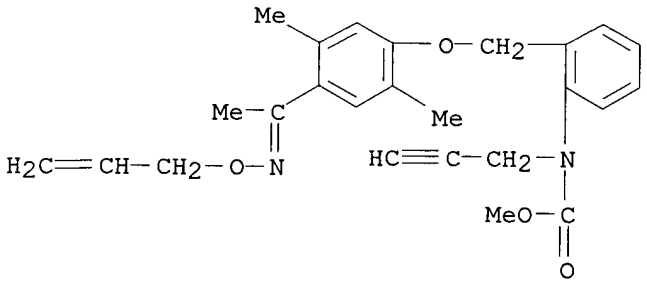


RN 151827-26-8 CAPLUS
CN Carbamic acid, [2-[[2,5-dimethyl-4-[1-[(2-propenyloxy)imino]ethyl]phenoxy]methyl]phenyl]-2-propynyl-, methyl ester (9CI) (CA INDEX NAME)



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NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2	Apr 08	"Ask CAS" for self-help around the clock
NEWS 3	Jun 03	New e-mail delivery for search results now available
NEWS 4	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 5	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS 6	Aug 26	Sequence searching in REGISTRY enhanced
NEWS 7	Sep 03	JAPIO has been reloaded and enhanced
NEWS 8	Sep 16	Experimental properties added to the REGISTRY file
NEWS 9	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS 10	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS 11	Oct 24	BEILSTEIN adds new search fields
NEWS 12	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS 13	Nov 18	DKILIT has been renamed APOLLIT
NEWS 14	Nov 25	More calculated properties added to REGISTRY
NEWS 15	Dec 04	CSA files on STN
NEWS 16	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS 17	Dec 17	TOXCENTER enhanced with additional content
NEWS 18	Dec 17	Adis Clinical Trials Insight now available on STN
NEWS 19	Jan 29	Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC
NEWS 20	Feb 13	CANCERLIT is no longer being updated
NEWS 21	Feb 24	METADEX enhancements
NEWS 22	Feb 24	PCTGEN now available on STN
NEWS 23	Feb 24	TEMA now available on STN
NEWS 24	Feb 26	NTIS now allows simultaneous left and right truncation
NEWS 25	Feb 26	PCTFULL now contains images
NEWS 26	Mar 04	SDI PACKAGE for monthly delivery of multifile SDI results
NEWS 27	Mar 19	APOLLIT offering free connect time in April 2003
NEWS 28	Mar 20	EVENTLINE will be removed from STN
NEWS 29	Mar 24	PATDPAFULL now available on STN
NEWS 30	Mar 24	Additional information for trade-named substances without structures available in REGISTRY
NEWS 31	Apr 11	Display formats in DGENE enhanced
NEWS 32	Apr 14	MEDLINE Reload
NEWS 33	Apr 17	Polymer searching in REGISTRY enhanced
NEWS 34	Apr 21	Indexing from 1947 to 1956 being added to records in CA/CAPLUS
NEWS 35	Apr 21	New current-awareness alert (SDI) frequency in WPIDS/WPINDEX/WPIX

NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT

```
                MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
                AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
 NEWS HOURS     STN Operating Hours Plus Help Desk Availability
 NEWS INTER     General Internet Information
 NEWS LOGIN     Welcome Banner and News Items
 NEWS PHONE     Direct Dial and Telecommunication Network Access to STN
 NEWS WWW       CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that
specific topic.

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FILE 'HOME' ENTERED AT 11:03:49 ON 28 APR 2003

=> fil reg
COST IN U.S. DOLLARS                                  SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       0.21       0.21

FILE 'REGISTRY' ENTERED AT 11:03:54 ON 28 APR 2003
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STRUCTURE FILE UPDATES:   27 APR 2003  HIGHEST RN 506405-59-0
DICTIONARY FILE UPDATES:  27 APR 2003  HIGHEST RN 506405-59-0

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

Crossover limits have been increased.  See HELP CROSSOVER for details.

Experimental and calculated property data are now available.  See HELP
PROPERTIES for more information.  See STNote 27, Searching Properties
in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=>
Uploading 10070760.str

L1      STRUCTURE UPLOADED

=> d
L1 HAS NO ANSWERS
```

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L1              STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY -  AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.


=> s l1 ful
FULL SEARCH INITIATED 11:04:13 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   1653 TO ITERATE

100.0% PROCESSED    1653 ITERATIONS                                  0 ANSWERS
SEARCH TIME: 00.00.01

L2            0 SEA SSS FUL L1

=>
Uploading 10070760.str

L3      STRUCTURE UPLOADED

=> d
L3 HAS NO ANSWERS
L3              STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY -  AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.


=> s l3 ful
FULL SEARCH INITIATED 11:06:00 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 185850 TO ITERATE

100.0% PROCESSED  185850 ITERATIONS                               16 ANSWERS
SEARCH TIME: 00.00.04

L4           16 SEA SSS FUL L3

=> s l4 and caplus/lc
      27567989 CAPLUS/LC
L5           12 L4 AND CAPLUS/LC

=> s l4 not l5
L6            4 L4 NOT L5

=> d 1-4
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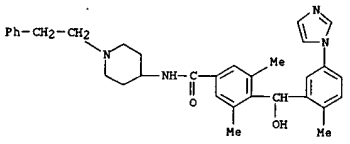
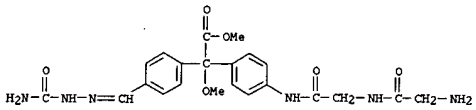
L6 ANSWER 1 OF 4 REGISTRY COPYRIGHT 2003 ACS
RN 108441-13-0 REGISTRY
CN Benzamide,
4-[hydroxy[5-(1H-imidazol-1-yl)-2-methylphenyl]methyl]-3,5-dimethyl-N-[1-(2-phenylethyl)-4-piperidinyl]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C33 H38 N4 O2
CI COM
SR CA



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

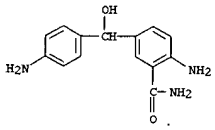
L6 ANSWER 2 OF 4 REGISTRY COPYRIGHT 2003 ACS
RN 91643-91-3 REGISTRY
CN Acetic acid, [p-[2-(2-aminoacetamido)acetamido]phenyl](p-formylphenyl)methoxy-, methyl ester, semicarbazone (7CI) (CA INDEX NAME)
FS 3D CONCORD
MF C22 H26 N6 O6
LC STN Files: CAOLD



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L6 ANSWER 3 OF 4 REGISTRY COPYRIGHT 2003 ACS
RN 46987-61-5 REGISTRY
CN Benzamide, 2-amino-5-[(4-aminophenyl)hydroxymethyl]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C14 H15 N3 O2
CI COM

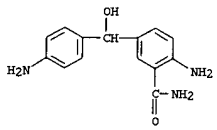


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 4 OF 4 REGISTRY COPYRIGHT 2003 ACS
RN 30025-76-4 REGISTRY
CN 1,2-Benzenedicarboxylic acid, 4-[(1,3-dihydro-1,3-dioxo-5-isobenzofuranyl)carbonyl]-, polymer with 2-amino-5-[(4-aminophenyl)hydroxymethyl]benzamide (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Benzamide, 2-amino-5-[(4-aminophenyl)hydroxymethyl]-, polymer with 4-[(1,3-dihydro-1,3-dioxo-5-isobenzofuranyl)carbonyl]-1,2-benzenedicarboxylic acid (9CI)
MF (C17 H8 O8 . C14 H15 N3 O2)x
CI PMS
PCT Polyamic acid, Polyamic acid formed, Polyamide, Polyamide formed, Polyester, Polyester formed, Polyimide, Polyimide formed, Polyketone

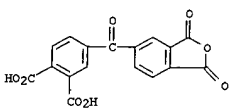
CM 1

CRN 46987-61-5
CMF C14 H15 N3 O2



CM 2

CRN 17828-52-3
CMF C17 H8 O8



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=> fil caplus
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                       308.04     308.25

FILE 'CAPLUS' ENTERED AT 11:06:22 ON 28 APR 2003
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FILE COVERS 1907 - 28 Apr 2003  VOL 138 ISS 18
FILE LAST UPDATED: 27 Apr 2003  (20030427/ED)

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.


=> d his

     (FILE 'HOME' ENTERED AT 11:03:49 ON 28 APR 2003)

     FILE 'REGISTRY' ENTERED AT 11:03:54 ON 28 APR 2003
L1             STRUCTURE UPLOADED
L2           0 S L1 FUL
L3             STRUCTURE UPLOADED
L4          16 S L3 FUL
L5          12 S L4 AND CAPLUS/LC
L6           4 S L4 NOT L5

     FILE 'CAPLUS' ENTERED AT 11:06:22 ON 28 APR 2003

=> s l4
L7          7 L4

=> s l7 and wo200119803/pn
            1 WO200119803/PN
                (WO2001019803/PN)
L8          0 L7 AND WO200119803/PN

=> fil stnguide
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         2.14     310.39
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FILE 'STNGUIDE' ENTERED AT 11:07:07 ON 28 APR 2003
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COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY, JAPAN SCIENCE
AND TECHNOLOGY CORPORATION, AND FACHINFORMATIONSZENTRUM KARLSRUHE

FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Apr 25, 2003 (20030425/UP).

=> fil caplus
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     0.06     310.45

FILE 'CAPLUS' ENTERED AT 11:07:22 ON 28 APR 2003
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FILE COVERS 1907 - 28 Apr 2003  VOL 138 ISS 18
FILE LAST UPDATED: 27 Apr 2003  (20030427/ED)

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.


=> d his

     (FILE 'HOME' ENTERED AT 11:03:49 ON 28 APR 2003)

     FILE 'REGISTRY' ENTERED AT 11:03:54 ON 28 APR 2003
L1             STRUCTURE UPLOADED
L2           0 S L1 FUL
L3             STRUCTURE UPLOADED
L4          16 S L3 FUL
L5          12 S L4 AND CAPLUS/LC
L6           4 S L4 NOT L5

     FILE 'CAPLUS' ENTERED AT 11:06:22 ON 28 APR 2003
L7           7 S L4
L8           0 S L7 AND WO200119803/PN

     FILE 'STNGUIDE' ENTERED AT 11:07:07 ON 28 APR 2003
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FILE 'CAPLUS' ENTERED AT 11:07:22 ON 28 APR 2003

=> fil stnguide
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.42	310.87

FILE 'STNGUIDE' ENTERED AT 11:07:35 ON 28 APR 2003
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AND TECHNOLOGY CORPORATION, AND FACHINFORMATIONSZENTRUM KARLSRUHE

FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Apr 25, 2003 (20030425/UP).

=>
Uploading
THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE
Do you want to switch to the Registry File?
Choice (Y/n):
Switching to the Registry File...
Some commands only work in certain files. For example, the EXPAND command can only be used to look at the index in a file which has an index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of commands which can be used in this file.

=> FILE REGISTRY

COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.12	310.99

FILE 'REGISTRY' ENTERED AT 11:08:29 ON 28 APR 2003
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 27 APR 2003 HIGHEST RN 506405-59-0
DICTIONARY FILE UPDATES: 27 APR 2003 HIGHEST RN 506405-59-0

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

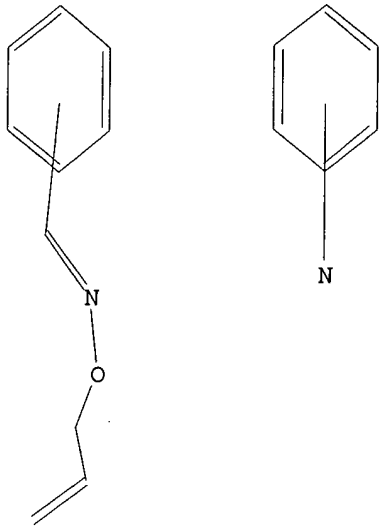
Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:

http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=>
Uploading 10070760.str

L9 STRUCTURE UPLOADED

=> d
L9 HAS NO ANSWERS
L9 STR



G1

Structure attributes must be viewed using STN Express query preparation.

=> s l9 sam
SAMPLE SEARCH INITIATED 11:08:45 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 1244 TO ITERATE

80.4% PROCESSED 1000 ITERATIONS 7 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 22765 TO 26995
PROJECTED ANSWERS: 7 TO 351

L10 7 SEA SSS SAM L9

=> s l9 ful
FULL SEARCH INITIATED 11:08:51 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 23951 TO ITERATE

100.0% PROCESSED 23951 ITERATIONS 147 ANSWERS
SEARCH TIME: 00.00.01

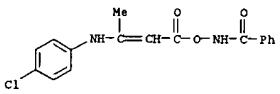
L11 147 SEA SSS FUL L9

=> s l11 and caplus/lc
27567989 CAPLUS/LC
L12 145 L11 AND CAPLUS/LC

=> s l11 not l12
L13 2 L11 NOT L12

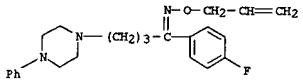
=> d 1-2

L13 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2003 ACS
RN 419547-63-0 REGISTRY
CN Benzamide, N-[[3-[(4-chlorophenyl)amino]-1-oxo-2-butenyl]oxy]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C17 H15 Cl N2 O3
SR Chemical Library
LC STN Files: CHEMCATS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2003 ACS
RN 49862-90-0 REGISTRY
CN 1-Butanone, 1-(4-fluorophenyl)-4-(4-phenyl-1-piperazinyl)-, O-2-propenyloxime (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C23 H28 F N3 O
CI COM



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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=> fil caplus
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                          ENTRY     SESSION
FULL ESTIMATED COST                                      155.73      466.72

FILE 'CAPLUS' ENTERED AT 11:09:12 ON 28 APR 2003
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FILE COVERS 1907 - 28 Apr 2003  VOL 138 ISS 18
FILE LAST UPDATED: 27 Apr 2003  (20030427/ED)

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.

=> d his

     (FILE 'HOME' ENTERED AT 11:03:49 ON 28 APR 2003)

     FILE 'REGISTRY' ENTERED AT 11:03:54 ON 28 APR 2003
L1             STRUCTURE UPLOADED
L2           0 S L1 FUL
L3             STRUCTURE UPLOADED
L4          16 S L3 FUL
L5          12 S L4 AND CAPLUS/LC
L6           4 S L4 NOT L5

     FILE 'CAPLUS' ENTERED AT 11:06:22 ON 28 APR 2003
L7           7 S L4
L8           0 S L7 AND WO200119803/PN

     FILE 'STNGUIDE' ENTERED AT 11:07:07 ON 28 APR 2003

     FILE 'CAPLUS' ENTERED AT 11:07:22 ON 28 APR 2003

     FILE 'STNGUIDE' ENTERED AT 11:07:35 ON 28 APR 2003

     FILE 'REGISTRY' ENTERED AT 11:08:29 ON 28 APR 2003
L9             STRUCTURE UPLOADED
L10          7 S L9 SAM
L11        147 S L9 FUL
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L12          145 S L11 AND CAPLUS/LC
L13            2 S L11 NOT L12

     FILE 'CAPLUS' ENTERED AT 11:09:12 ON 28 APR 2003

=> s l11
L14          37 L11

=> s l11 and wo200119803/pn
             37 L11
              1 WO200119803/PN
                  (WO2001019803/PN)
L15           1 L11 AND WO200119803/PN

=> s l14 not wo200119803/pn
              1 WO200119803/PN
                  (WO2001019803/PN)
L16          36 L14 NOT WO200119803/PN

=> d l16 1-36 ibib abs hitstr
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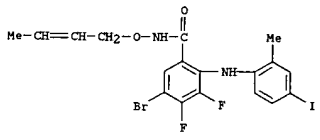
L16 ANSWER 1 OF 36 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2002:925256 CAPLUS
DOCUMENT NUMBER: 138:11440
TITLE: Method of treating or inhibiting neutrophil chemotaxis
by administering a MEK inhibitor
INVENTOR(S): Baragi, Vijaykumar Mahalingappa; Devalaraja, Madhav
Narasimha; Low, Joseph Edwin; Padgaonkar, Vaishalee
PATENT ASSIGNEE(S): Warner-Lambert Company, USA
SOURCE: Eur. Pat. Appl., 61 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

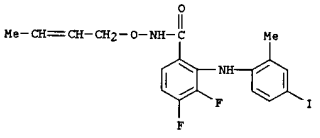
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1262176	A1	20021204	EP 2002-9344	20020503
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
CN 1383823	A	20021211	CN 2002-118988	20020509
US 2003055095	A1	20030320	US 2002-144315	20020509

PRIORITY APPLN. INFO.: US 2001-289881P P 20010509
OTHER SOURCE(S): MARPAT 138:11440
AB The invention provides a method of treating or preventing neutrophil chemotaxis. Specifically, the invention provides a method of treating or preventing neutrophil migration by administering to a patient a MEK inhibitor, e.g. a benzamide deriv.
IT **212630-63-2 212630-77-8 212631-04-4 212631-05-5 212631-07-7 212631-08-8 212631-13-5 212631-29-3 212631-30-6**
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(MEK inhibitor for inhibiting neutrophil chemotaxis)
RN 212630-63-2 CAPLUS
CN Benzamide, 5-bromo-N-(2-butenyloxy)-3,4-difluoro-2-[(4-iodo-2-methylphenyl)amino]- (9CI) (CA INDEX NAME)

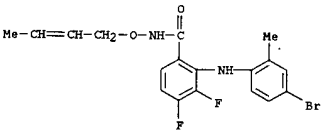


RN 212630-77-8 CAPLUS
CN Benzamide, 3,4-difluoro-2-[(4-iodo-2-methylphenyl)amino]-N-[(3-methyl-5-

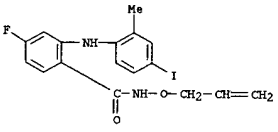
L16 ANSWER 1 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)



RN 212631-08-8 CAPLUS
CN Benzamide, 2-[(4-bromo-2-methylphenyl)amino]-N-(2-butenyloxy)-3,4-difluoro- (9CI) (CA INDEX NAME)

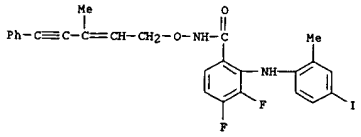


RN 212631-13-5 CAPLUS
CN Benzamide, 4-fluoro-2-[(4-iodo-2-methylphenyl)amino]-N-(2-propenyloxy)- (9CI) (CA INDEX NAME)

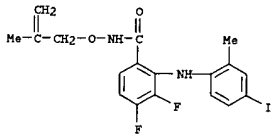


RN 212631-29-3 CAPLUS
CN Benzamide, 5-bromo-3,4-difluoro-2-[(4-iodo-2-methylphenyl)amino]-N-[(3-methyl-2-butenyl)oxy]- (9CI) (CA INDEX NAME)

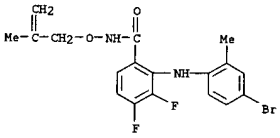
L16 ANSWER 1 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)
phenyl-2-penten-4-ynyl)oxy]- (9CI) (CA INDEX NAME)



RN 212631-04-4 CAPLUS
CN Benzamide, 3,4-difluoro-2-[(4-iodo-2-methylphenyl)amino]-N-[(2-methyl-2-propenyl)oxy]- (9CI) (CA INDEX NAME)

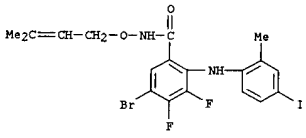


RN 212631-05-5 CAPLUS
CN Benzamide, 2-[(4-bromo-2-methylphenyl)amino]-3,4-difluoro-N-[(2-methyl-2-propenyl)oxy]- (9CI) (CA INDEX NAME)

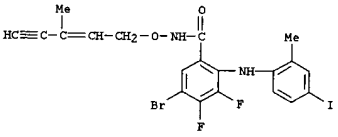


RN 212631-07-7 CAPLUS
CN Benzamide, N-(2-butenyloxy)-3,4-difluoro-2-[(4-iodo-2-methylphenyl)amino]- (9CI) (CA INDEX NAME)

L16 ANSWER 1 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)



RN 212631-30-6 CAPLUS
CN Benzamide, 5-bromo-3,4-difluoro-2-[(4-iodo-2-methylphenyl)amino]-N-[(3-methyl-2-penten-4-ynyl)oxy]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 2 OF 36 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2001:833867 CAPLUS
DOCUMENT NUMBER: 135:357774
TITLE: Preparation of phthalic acid diamides as agricultural and horticultural insecticides
INVENTOR(S): Tohnishi, Masanori; Nakao, Hayami; Kohno, Eiji; Nishida, Tateki; Furuya, Takashi; Shimizu, Toshiaki; Seo, Akira; Sakata, Kazuyuki; Fujioka, Shinsuke; Kanno, Hideo
PATENT ASSIGNEE(S): Japan
SOURCE: U.S. Pat. Appl. Publ., 114 pp., Cont.-in-part of U.S. Ser. No. 198,391, abandoned.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2001041814	A1	20011115	US 1999-250261	19990216
US 6362369	B2	20020326		
US 2003055287	A1	20030320	US 2002-35132	20020104

PRIORITY APPLN. INFO.: JP 1997-339393 A 19971125
JP 1998-51351 A 19980217
US 1998-198391 B2 19981124
US 1999-250261 A3 19990216
OTHER SOURCE(S): MARPAT 135:357774
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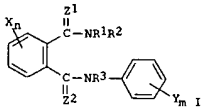
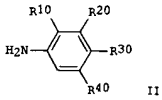

I

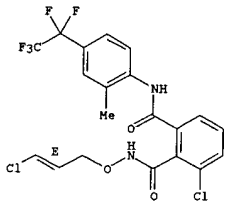

II

AB The title compds. [I; R1-R3 = H, CN, cycloalkyl, etc.; X = H, CN, NO2, etc.; n = 1-4; Y = H, halo, CN, etc.; m = 1-5; Z1, Z2 = O, S] which show excellent activities for controlling injurious insects, were prepd. Thus, reaction of 3-nitro-2-ethoxycarbonylbenzoyl chloride with 4-chloro-2-methylaniline in the presence of Et3N in THF followed by treatment of the resulting Et 6-nitro-N-(4-chloro-2-methylphenyl)phthalamate with isopropylamine in dioxane afforded I [R1 = iso-Pr; R2 = R3 = H; X = 3-NO2; Y = 2-Me-4-Cl; Z1 = Z2 = O] which showed

L16 ANSWER 2 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)
excellent insecticidal effect (100% mortality) against diamondback moth and common cutworm. The fluorine-contg. anilines II [R10 = halo, alkyl, alkoxy, CF3; R20, R30, R40 = H or perfluoroalkyl; provided that at least one of R20-R40 is not H atom, and that R30 is neither a pentafluoroethyl nor a n-heptafluoropentyl when R10 = F and each of R20 and R40 = H], useful as a starting material for said phthalic acid diamides were also prepd.

IT **226974-65-8P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of phthalic acid diamides as agricultural and horticultural insecticides)
RN 226974-65-8 CAPLUS
CN 1,2-Benzenedicarboxamide, 3-chloro-N2-[[(2E)-3-chloro-2-propenyl]oxy]-N1-[2-methyl-4-(pentafluoroethyl)phenyl]- (9CI) (CA INDEX NAME)

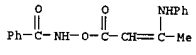
Double bond geometry as shown.



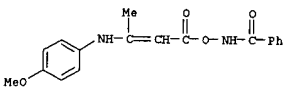
L16 ANSWER 3 OF 36 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2001:580942 CAPLUS
DOCUMENT NUMBER: 135:344101
TITLE: 5-hydroxyisoxazolidin-3-ones and acetoacetyl hydroxamates derived from diketene and N-substituted and hydroxylamines and their reactions with amines and hydrazines
AUTHOR(S): Zelenin, K. N.; Lagoda, I. V.
CORPORATE SOURCE: Academy of Military Medicine, St. Petersburg, Russia
SOURCE: Russian Journal of General Chemistry (Translation of Zhurnal Obshchei Khimii) (2000), 70(12), 1887-1899
CODEN: RJGCEK; ISSN: 1070-3632
PUBLISHER: MAIK Nauka/Interperiodica Publishing
DOCUMENT TYPE: Journal
LANGUAGE: English
AB The direction of diketene reaction with N-substituted hydroxylamines depends on the nature of substituent on the nitrogen atom: With benzyl- and arylhydroxylamines, the reaction products are 5-hydroxy-5-methylisoxazolidin-3-ones, and with arylhydroxamic acids, acetoacetyl N-arylhydroxamates (N-acetoacetyl-oxybenzamides). In solns., 5-hydroxy-5-methylisoxazolidin-3-ones are in tautomeric equil. with the N-hydroxyacetoacetamide form. Acetoacetyl hydroxamates are present exclusively in their linear form both in polar and in nonpolar media. The condensation products of the latter compds. with amines and hydrazines tend to ring-chain and/or prototropic tautomerism and configurational isomerism. The population of the tautomeric forms depends on the nature of the hydroxylamine component, the electronic properties of substituents in the amine and hydrazine components, and the nature of the solvent. Amino derivs. of N-hydroxyacetoacetamides are represented by the cyclic (5-aminoisoxazolidin-3-ones) and enamine forms; with hydrazino derivs., the tautomeric mixt. also includes the hydrazone forms as two configurational tautomers. Electron-acceptor substituents and nonpolar solvents shift the tautomeric equil. to the cyclic form. Amino and hydrazino derivs. of acetoacetyl hydroxamates are present exclusively in the enamine (enhydrazine) form as two geometric isomers.

IT **339197-76-1P 371166-29-9P 371166-30-2P**
371166-33-5P 371166-34-6P 371166-35-7P
371166-38-0P 371166-39-1P 371166-40-4P
371166-41-5P 371166-42-6P 371166-43-7P
RL: SPN (Synthetic preparation); PREP (Preparation)
(5-hydroxyisoxazolidin-3-ones and acetoacetyl hydroxamates derived from

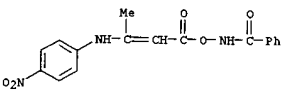
L16 ANSWER 3 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)
diketene and N-substituted hydroxylamines and their reactions with amines and hydrazines)
RN 339197-76-1 CAPLUS
CN Benzamide, N-[[1-oxo-3-(phenylamino)-2-butenyl]oxy]- (9CI) (CA INDEX NAME)



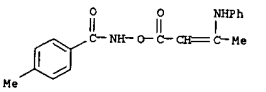
RN 371166-29-9 CAPLUS
CN Benzamide, N-[[3-[(4-methoxyphenyl)amino]-1-oxo-2-butenyl]oxy]- (9CI) (CA INDEX NAME)



RN 371166-30-2 CAPLUS
CN Benzamide, N-[[3-[(4-nitrophenyl)amino]-1-oxo-2-butenyl]oxy]- (9CI) (CA INDEX NAME)

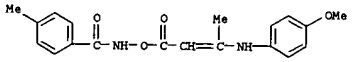


RN 371166-33-5 CAPLUS
CN Benzamide, 4-methyl-N-[[1-oxo-3-(phenylamino)-2-butenyl]oxy]- (9CI) (CA INDEX NAME)

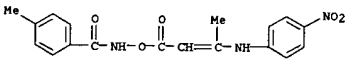


RN 371166-34-6 CAPLUS
CN Benzamide, N-[[3-[(4-methoxyphenyl)amino]-1-oxo-2-butenyl]oxy]-4-methyl-

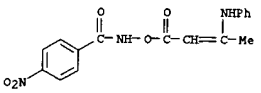
L16 ANSWER 3 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)
(9CI) (CA INDEX NAME)



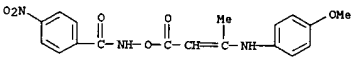
RN 371166-35-7 CAPLUS
CN Benzamide,
4-methyl-N-[[3-[(4-nitrophenyl)amino]-1-oxo-2-butenyl]oxy]-
(9CI) (CA INDEX NAME)



RN 371166-38-0 CAPLUS
CN Benzamide, 4-nitro-N-[[1-oxo-3-(phenylamino)-2-butenyl]oxy]- (9CI)
(CA
INDEX NAME)



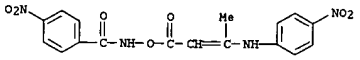
RN 371166-39-1 CAPLUS
CN Benzamide,
N-[[3-[(4-methoxyphenyl)amino]-1-oxo-2-butenyl]oxy]-4-nitro-
(9CI) (CA INDEX NAME)



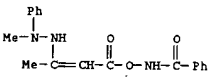
RN 371166-40-4 CAPLUS
CN Benzamide, 4-nitro-N-[[3-[(4-nitrophenyl)amino]-1-oxo-2-butenyl]oxy]-
(9CI) (CA INDEX NAME)

L16 ANSWER 3 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)

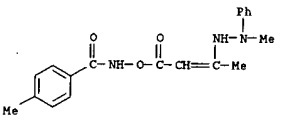
L16 ANSWER 3 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)



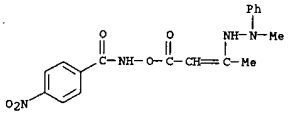
RN 371166-41-5 CAPLUS
CN Benzamide, N-[[3-(2-methyl-2-phenylhydrazino)-1-oxo-2-butenyl]oxy]-
(9CI)
(CA INDEX NAME)



RN 371166-42-6 CAPLUS
CN Benzamide, 4-methyl-N-[[3-(2-methyl-2-phenylhydrazino)-1-oxo-2-
butenyl]oxy]- (9CI) (CA INDEX NAME)



RN 371166-43-7 CAPLUS
CN Benzamide,
N-[[3-(2-methyl-2-phenylhydrazino)-1-oxo-2-butenyl]oxy]-4-nitro-
(9CI) (CA INDEX NAME)



REFERENCE COUNT: 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR
THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

L16 ANSWER 4 OF 36 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2001:63820 CAPLUS
DOCUMENT NUMBER: 134:131318
TITLE: Preparation of (phenylamino)benzenesulfonamides
and
(phenylamino)benzamides as MEK inhibitors for the
treatment of chronic pain
INVENTOR(S): Bridges, Alexander James; Booth, Richard John;
Tecle,
Haile; Scaggs, Yvonne; Kaufman, Michael; Barrett,
Stephen Douglas; Dixon, Alistair; Lee, Kevin;
Pinnock,
Robert Denham
PATENT ASSIGNEE(S): Warner-Lambert Company, USA
SOURCE: PCT Int. Appl., 158 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001005393	A2	20010125	WO 2000-US18348	20000705
WO 2001005393	A3	20010510		

W: AE, AG, AL, AU, BA, BB, BG, BR, BZ, CA, CN, CR, CU, CZ, DM,
DZ,
EE, GD, GE, HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR,
LT,
LV, MA, MG, MK, MN, MX, MZ, NO, NZ, PL, RO, SG, SI, SK, SL,
TR,
TT, UA, US, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH,
CY,
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF,
BJ,
CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

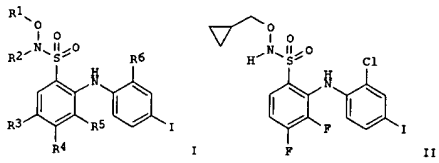
EP 1202724	A2	20020508	EP 2000-945140	20000705

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC,
PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL

PRIORITY APPLN. INFO.:	US 1999-144280P	P	19990716
	US 1999-144320P	P	19990716
	US 1999-144419P	P	19990716
	US 1999-144655P	P	19990716
	US 1999-144658P	P	19990716
	US 1999-144659P	P	19990716
	WO 2000-US18348	W	20000705

OTHER SOURCE(S): MARPAT 134:131318
GI

L16 ANSWER 4 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)



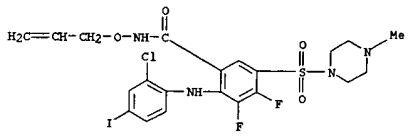
I II

AB The title compds. (I) [wherein R1 = H, (phenyl)alkyl, (phenyl)alkenyl,
(phenyl)alkynyl, cycloalkyl, Ph, cycloalkylalkyl, cycloalkylalkenyl, cycloalkylalkynyl, heterocyclyl, heterocyclylalkyl, heterocyclylalkenyl,
heterocyclylalkynyl, alkoxylalkyl, phenoxyalkyl, (un)substituted aminoalkyl, piperidinoalkyl, morpholinoalkyl, or alkylpiperazinoalkyl; R2
= H, (cyclo)alkyl, Ph, heterocyclyl, or cycloalkylmethyl; R3 and R4 = independently H, F, NO2, Br, or Cl; R5 = H or F; R6 = H, F, Cl, or Me]
were prepd. for the treatment of chronic pain. For example, 2,3,4-trifluorobenzenesulfonyl chloride was amidated O-cyclopropylmethylhydroxylamine.bul.HCl in CH2Cl2 using diisopropylethylamine (68%). Coupling with 2-chloro-4-iodoaniline in THF
in the presence of Li bis(trimethylsilyl)amide afforded PD 297447 (II) in
73% yield. The APK IC50 for PD 297447 was 0.965 .mu.M. Intrathecally
administered II (30.mu.g) showed no significant effect on allodynia in the
CCI model of neuropathic pain in rats, perhaps due to low affinity or soly. of the compd. However, related MEK inhibitors with higher affinities exerted an antiallodynic effect in CCI-induced neuropathic rats.

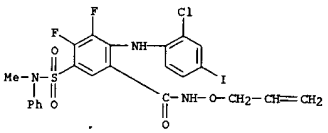
IT **285126-99-0P**, N-Allyloxy-2-(2-chloro-4-iodophenylamino)-3,4-difluoro-5-(4-methylpiperazinesulfonyl)benzamide **285127-00-6P**, N-Allyloxy-2-(2-chloro-4-iodophenylamino)-3,4-difluoro-5-(methylphenylsulfamoyl)benzamide **285127-01-7P**,
5-(Allylmethylsulfamoyl)-N-allyloxy-2-(2-chloro-4-iodophenylamino)-3,4-difluorobenzamide **285127-02-8P**, 1-[5-Allyloxycarbamoyl-4-(2-chloro-4-iodophenylamino)-2,3-difluorobenzenesulfonyl]piperidine-3-carboxylic acid amide **285127-03-9P**, N-Allyloxy-2-(2-chloro-4-iodophenylamino)-5-[(3-dimethylaminopropyl)methylsulfamoyl]-3,4-difluorobenzamide **285127-04-0P**, N-Allyloxy-2-(2-chloro-4-iodophenylamino)-3,4-difluoro-5-(4-pyridin-2-ylpiperazine-1-sulfonyl)benzamide **321858-06-4P**, N-Allyloxy-2-(2-chloro-4-iodophenylamino)-3,4-difluoro-5-(methoxymethylsulfamoyl)benzamide
RL: BAC (Biological activity or effector, except adverse); BSU (Biological

L16 ANSWER 4 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)
study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use);
BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of (phenylamino)benzenesulfonamides and (phenylamino)benzamides
as MEK inhibitors for treatment of chronic pain)

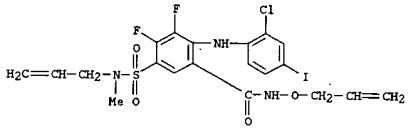
RN 285126-99-0 CAPLUS
CN Benzamide,
2-[(2-chloro-4-iodophenyl)amino]-3,4-difluoro-5-[(4-methyl-1-piperazinyl)sulfonyl]-N-(2-propenyloxy)- (9CI) (CA INDEX NAME)



RN 285127-00-6 CAPLUS
CN Benzamide, 2-[(2-chloro-4-iodophenyl)amino]-3,4-difluoro-5-[(methylphenylamino)sulfonyl]-N-(2-propenyloxy)- (9CI) (CA INDEX NAME)

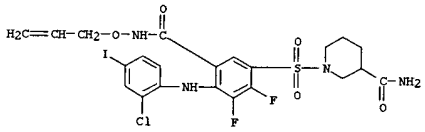


RN 285127-01-7 CAPLUS
CN Benzamide, 2-[(2-chloro-4-iodophenyl)amino]-3,4-difluoro-5-[(methyl-2-propenylamino)sulfonyl]-N-(2-propenyloxy)- (9CI) (CA INDEX NAME)

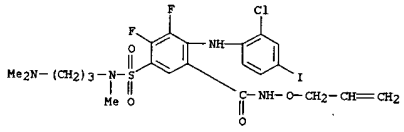


L16 ANSWER 4 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)

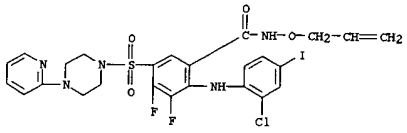
RN 285127-02-8 CAPLUS
CN 3-Piperidinecarboxamide,
1-[[4-[(2-chloro-4-iodophenyl)amino]-2,3-difluoro-5-[[(2-propenyloxy)amino]carbonyl]phenyl]sulfonyl]- (9CI) (CA INDEX NAME)



RN 285127-03-9 CAPLUS
CN Benzamide, 2-[(2-chloro-4-iodophenyl)amino]-5-[[[3-(dimethylamino)propyl]methylamino]sulfonyl]-3,4-difluoro-N-(2-propenyloxy)- (9CI) (CA INDEX NAME)

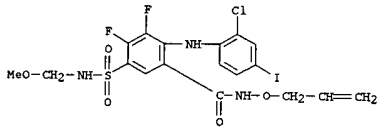


RN 285127-04-0 CAPLUS
CN Benzamide,
2-[(2-chloro-4-iodophenyl)amino]-3,4-difluoro-N-(2-propenyloxy)-5-[[4-(2-pyridinyl)-1-piperazinyl]sulfonyl]- (9CI) (CA INDEX NAME)



RN 321858-06-4 CAPLUS
CN Benzamide, 2-[(2-chloro-4-iodophenyl)amino]-3,4-difluoro-5-

L16 ANSWER 4 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)
[[(methoxymethyl)amino]sulfonyl]-N-(2-propenyloxy)- (9CI) (CA INDEX NAME)

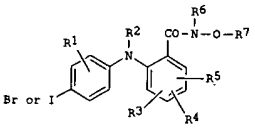


L16 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2001:63819 CAPLUS
DOCUMENT NUMBER: 134:131317
TITLE: Preparation of 2-phenylaminobenzamides and analogs as
MEK inhibitors for the treatment of chronic pain
INVENTOR(S): Dixon, Alistair; Lee, Kevin; Pinnock, Robert Denham
PATENT ASSIGNEE(S): Warner-Lambert Company, USA
SOURCE: PCT Int. Appl., 132 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001005392	A2	20010125	WO 2000-US18347	20000705
WO 2001005392	A3	20010719		

W: AE, AG, AL, AU, BA, BB, BG, BR, BZ, CA, CN, CR, CU, CZ, DM, DZ, EE, GD, GE, HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MA, MG, MK, MN, MX, MZ, NO, NZ, PL, RO, SG, SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
EP 1202726 A2 20020508 EP 2000-943383 20000705
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL
PRIORITY APPLN. INFO.: US 1999-144292P P 19990716
WO 2000-US18347 W 20000705
OTHER SOURCE(S): MARPAT 134:131317
GI

L16 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)



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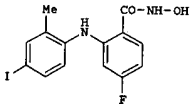


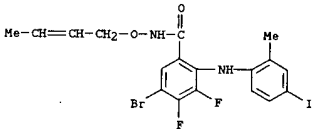
II

AB The title compds. (I) [wherein R1 = H, OH, alkyl, alkoxy, halo, CF3, or CN; R2 = H; R3, R4, and R5 = independently H, OH, halo, CF3, alkyl, alkoxy, NO2, CN, or (O or NH)m(CH2)nR9; R9 = H, OH, CO2H, or NR10R11; m = 0 or 1; n = 0-4; R10 and R11 = independently H, alkyl, or taken together with the N to which they are attached form a heterocycle; R6 = H, (cyclo)alkyl, acyl, aryl, or aralkyl; R7 = H, (cyclo)alkyl, alkenyl, alkynyl, or heterocyclyl] were prepd. using conventional and combinatorial synthetic methods for the treatment of chronic pain. For example, 2,4-difluorobenzoic acid in THF was added to a soln. of 2-amino-5-iodotoluene and Li diisopropylamide in THF/heptane/EtPh to give 4-fluoro-2-(4-iodo-2-methylphenylamino)benzoic acid (47%). Treatment of the acid with O-(tetrahydro-2H-pyran-2-yl)hydroxylamine and diisopropylethylamine in THF/CH2Cl2 in the presence of PyBOP afforded the O-protected intermediate, which was dissolved in ethanolic HCl to give the title N-hydroxybenzamide (II) in 23% yield. Biol. assays indicated that MEK inhibitors exert an antiallodynic effect in CCI-induced neuropathic rats when administered intrathecally and that the antiallodynic effect correlates with the affinity of the compds.

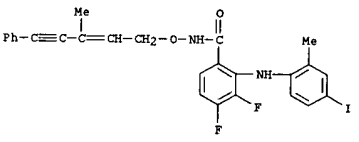
IT **212630-63-2P**, 5-Bromo-N-(but-2-enyloxy)-3,4-difluoro-2-(4-iodo-2-methylphenylamino)benzamide **212630-77-8P**, 3,4-Difluoro-2-(4-iodo-2-methylphenylamino)-N-(3-methyl-5-phenylpent-2-en-4-ynyloxy)benzamide **212630-78-9P**, 2-(4-Bromo-2-methylphenylamino)-3,4-difluoro-N-(3-methyl-5-phenylpent-2-en-4-ynyloxy)benzamide **212631-03-3P**, 4-Fluoro-2-(4-iodo-2-methylphenylamino)-N-(2-methylallyloxy)benzamide

L16 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)
212631-04-4P, 3,4-Difluoro-2-(4-iodo-2-methylphenylamino)-N-(2-methylallyloxy)benzamide **212631-05-5P**, 2-(4-Bromo-2-methylphenylamino)-3,4-difluoro-N-(2-methylallyloxy)benzamide **212631-06-6P**, N-(But-2-enyloxy)-4-fluoro-2-(4-iodo-2-methylphenylamino)benzamide **212631-07-7P**, N-(But-2-enyloxy)-3,4-difluoro-2-(4-iodo-2-methylphenylamino)benzamide **212631-08-8P**, 2-(4-Bromo-2-methylphenylamino)-N-(but-2-enyloxy)-3,4-difluorobenzamide **212631-13-5P**, 4-Fluoro-2-(4-iodo-2-methylphenylamino)-N-(prop-2-enyloxy)benzamide **212631-29-3P**, 5-Bromo-3,4-difluoro-2-(4-iodo-2-methylphenylamino)-N-(3-methylbut-2-enyloxy)benzamide **212631-30-6P**, 5-Bromo-3,4-difluoro-2-(4-iodo-2-methylphenylamino)-N-(3-methylpent-2-en-4-ynyloxy)benzamide
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of 2-phenylaminobenzamide and 2-phenylaminobenzoic acid MEK inhibitors by conventional and combinatorial synthetic methods for treatment of chronic pain)

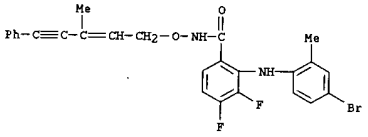
RN 212630-63-2 CAPLUS
CN Benzamide, 5-bromo-N-(2-butenyloxy)-3,4-difluoro-2-[(4-iodo-2-methylphenyl)amino]- (9CI) (CA INDEX NAME)



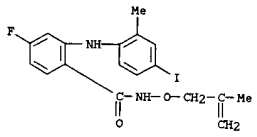
RN 212630-77-8 CAPLUS
CN Benzamide, 3,4-difluoro-2-[(4-iodo-2-methylphenyl)amino]-N-[(3-methyl-5-phenyl-2-penten-4-ynyl)oxy]- (9CI) (CA INDEX NAME)



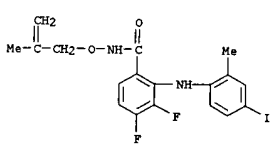
L16 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)
RN 212630-78-9 CAPLUS
CN Benzamide, 2-[(4-bromo-2-methylphenyl)amino]-3,4-difluoro-N-[(3-methyl-5-phenyl-2-penten-4-ynyl)oxy]- (9CI) (CA INDEX NAME)



RN 212631-03-3 CAPLUS
CN Benzamide, 4-fluoro-2-[(4-iodo-2-methylphenyl)amino]-N-[(2-methyl-2-propenyl)oxy]- (9CI) (CA INDEX NAME)

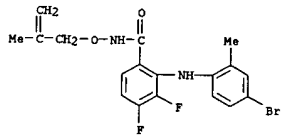


RN 212631-04-4 CAPLUS
CN Benzamide, 3,4-difluoro-2-[(4-iodo-2-methylphenyl)amino]-N-[(2-methyl-2-propenyl)oxy]- (9CI) (CA INDEX NAME)

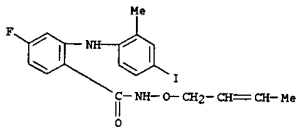


RN 212631-05-5 CAPLUS
CN Benzamide, 2-[(4-bromo-2-methylphenyl)amino]-3,4-difluoro-N-[(2-methyl-2-propenyl)oxy]- (9CI) (CA INDEX NAME)

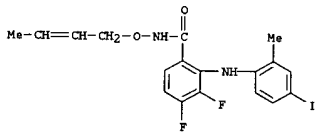
L16 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)



RN 212631-06-6 CAPLUS
CN Benzamide,
N-(2-butenyloxy)-4-fluoro-2-[(4-iodo-2-methylphenyl)amino]-
(9CI) (CA INDEX NAME)

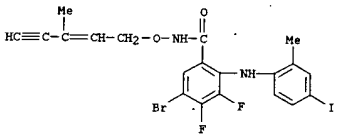


RN 212631-07-7 CAPLUS
CN Benzamide,
N-(2-butenyloxy)-3,4-difluoro-2-[(4-iodo-2-methylphenyl)amino]-
(9CI) (CA INDEX NAME)

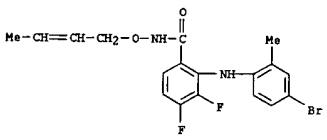


RN 212631-08-8 CAPLUS
CN Benzamide,
2-[(4-bromo-2-methylphenyl)amino]-N-(2-butenyloxy)-3,4-difluoro-
(9CI) (CA INDEX NAME)

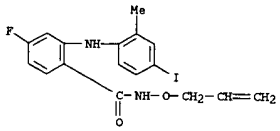
L16 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)



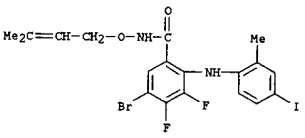
L16 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)



RN 212631-13-5 CAPLUS
CN Benzamide,
4-fluoro-2-[(4-iodo-2-methylphenyl)amino]-N-(2-propenyloxy)-
(9CI) (CA INDEX NAME)



RN 212631-29-3 CAPLUS
CN Benzamide,
5-bromo-3,4-difluoro-2-[(4-iodo-2-methylphenyl)amino]-N-[(3-
methyl-2-butenyl)oxy]- (9CI) (CA INDEX NAME)



RN 212631-30-6 CAPLUS
CN Benzamide,
5-bromo-3,4-difluoro-2-[(4-iodo-2-methylphenyl)amino]-N-[(3-
methyl-2-penten-4-ynyl)oxy]- (9CI) (CA INDEX NAME)

L16 ANSWER 6 OF 36 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2000:645995 CAPLUS
DOCUMENT NUMBER: 133:238007
TITLE: Preparation of amide and ester fungicides and arthropodicides
INVENTOR(S): Sun, King-Mo; Walker, Michael Paul
PATENT ASSIGNEE(S): E.I. Du Pont De Nemours and Company, USA
SOURCE: PCT Int. Appl., 90 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000053585	A1	20000914	WO 2000-US5241	20000301

W: AE, AL, AU, BA, BB, BG, BR, CA, CN, CR, CU, CZ, DM, EE, GD, GE, HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: US 1999-123120P P 19990306
OTHER SOURCE(S): MARPAT 133:238007
GI

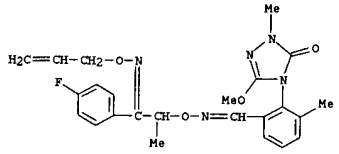
* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The title compds. [I; E, together with two contiguous carbon atoms forms 5-6 membered arom. ring contg. carbon atoms and 0-3 atoms selected from O, N and S which is substituted with T on one of the contiguous carbon atoms and with Y1-Y2-Z on the second contiguous carbon atom, and is optionally substituted on E; T = II-IV (wherein X = OR1, SOmR1, halo; A = O, S, N, NR5, CR7; G = C, N; W = O, S, NH, N(alkyl), NO(alkyl); R1 = alkyl, haloalkyl, alkenyl, etc.; R2 = H, alkyl, haloalkyl, etc.; R5 = H, alkyl, haloalkyl, etc.; R7 = H, halo, alkyl; s = 0-1), etc.; Y1 = C(R8):NOC(R16R17), C(R8):NOC(R16R17)C(R14R15), C(R8):NC(R16R17) (wherein R8 = H, alkyl; R14, R15 = H, halo, alkyl, etc.; R16, R17 = H, alkyl, haloalkyl, etc.), etc.; Y2 = C(:NOR19), C(:NR19), C(:NN(R19R20)) (R19 =

L16 ANSWER 6 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)
alkyl, haloalkyl, alkenyl, etc.; R20 = H, alkyl, haloalkyl, etc.), etc.; Z
= alkyl, alkenyl, alkynyl, etc.], useful as fungicides and acaricides,
were prepd. E.g., a multi-step synthesis of the compd. V which showed
100% control against Erysiphe graminis f.sp. trinici and Puccinia recondita at 500 g/ha, was given.

IT **293296-86-3P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except
adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of amide and ester fungicides and arthropodicides)

RN 293296-86-3 CAPLUS
CN Benzaldehyde,
2-(1,5-dihydro-3-methoxy-1-methyl-5-oxo-4H-1,2,4-triazol-4-yl)-3-methyl-, 1-[O-[2-(4-fluorophenyl)-1-methyl-2-[(2-propenyloxy)imino]ethyl]oxime] (9CI) (CA INDEX NAME)



REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 7 OF 36 CAPLUS COPYRIGHT 2003 ACS

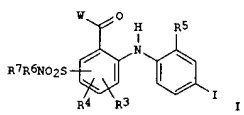
ACCESSION NUMBER: 2000:493507 CAPLUS
DOCUMENT NUMBER: 133:120145
TITLE: Preparation of benzenesulfonamides as MEK inhibitors
INVENTOR(S): Barrett, Stephen Douglas; Tecle, Haile; Booth, Richard
John
PATENT ASSIGNEE(S): Warner-Lambert Company, USA
SOURCE: PCT Int. Appl., 74 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000042003	A1	20000720	WO 1999-US30435	19991221
W: AE, AL, AU, BA, BB, BG, BR, CA, CN, CR, CU, CZ, DM, EE, GD, GE, HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MA, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
JP 2000212157	A2	20000802	JP 1999-53632	19990302
EP 1144371	A1	20011017	EP 1999-966496	19991221
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
BR 9916885	A	20011120	BR 1999-16885	19991221
US 6440966	B1	20020827	US 2001-869639	20010702

PRIORITY APPLN. INFO.: US 1999-115874P P 19990113
US 1999-122422P P 19990302
WO 1999-US30435 W 19991221

OTHER SOURCE(S): MARPAT 133:120145
GI

L16 ANSWER 7 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)



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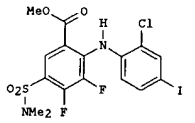


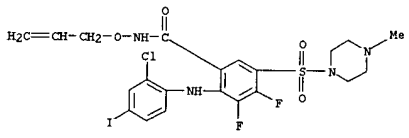
II

AB The title compds. [I; W = OR1, NR2OR1, etc.; R1 = H, alkyl, alkenyl, etc.;
R2 = H, Ph, alkyl, etc.; R3 = H, F, Cl, Br, NO2; R4 = H, F; R5 = H, Me,
Cl; R6 = H, alkyl, hydroxyethyl, etc.; R7 = H, alkyl, hydroxyethyl, etc.]
which are inhibitors of MEK, and are effective in the treatment of proliferative diseases, cancer, stroke, heart failure, xenograft rejection, arthritis, cystic fibrosis, hepatomegaly, cardiomegaly, Alzheimer's disease, complications of diabetes, septic shock, and viral
infection, were prepd. E.g, a multi-step synthesis of II which showed
IC50 of 222 nM (APK), was given.

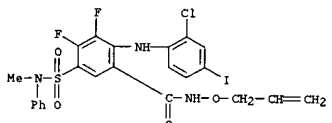
IT **285126-99-0P 285127-00-6P 285127-01-7P**
285127-02-8P 285127-03-9P 285127-04-0P
285127-05-1P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological
study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use);
BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of benzenesulfonamides as MEK inhibitors)

RN 285126-99-0 CAPLUS
CN Benzamide,
2-[(2-chloro-4-iodophenyl)amino]-3,4-difluoro-5-[(4-methyl-1-piperazinyl)sulfonyl]-N-(2-propenyloxy)- (9CI) (CA INDEX NAME)

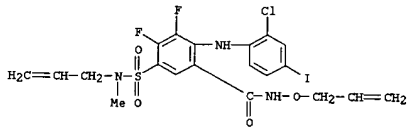
L16 ANSWER 7 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)



RN 285127-00-6 CAPLUS
CN Benzamide, 2-[(2-chloro-4-iodophenyl)amino]-3,4-difluoro-5-[(methylphenylamino)sulfonyl]-N-(2-propenyloxy)- (9CI) (CA INDEX NAME)

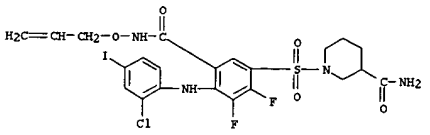


RN 285127-01-7 CAPLUS
CN Benzamide, 2-[(2-chloro-4-iodophenyl)amino]-3,4-difluoro-5-[(methyl-2-propenylamino)sulfonyl]-N-(2-propenyloxy)- (9CI) (CA INDEX NAME)

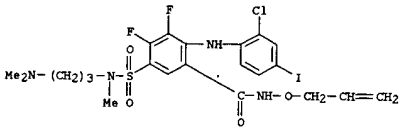


RN 285127-02-8 CAPLUS
CN 3-Piperidinecarboxamide,
1-[[4-[(2-chloro-4-iodophenyl)amino]-2,3-difluoro-5-[[(2-propenyloxy)amino]carbonyl]phenyl]sulfonyl]- (9CI) (CA INDEX NAME)

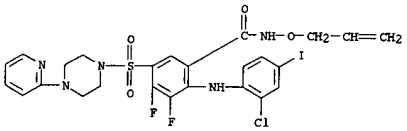
L16 ANSWER 7 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)



RN 285127-03-9 CAPLUS
CN Benzamide, 2-[(2-chloro-4-iodophenyl)amino]-5-[[[3-(dimethylamino)propyl]methylamino]sulfonyl]-3,4-difluoro-N-(2-propenyloxy)- (9CI) (CA INDEX NAME)

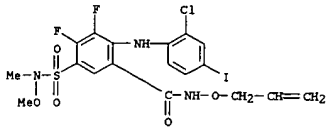


RN 285127-04-0 CAPLUS
CN Benzamide, 2-[(2-chloro-4-iodophenyl)amino]-3,4-difluoro-N-(2-propenyloxy)-5-[[4-(2-pyridinyl)-1-piperazinyl]sulfonyl]- (9CI) (CA INDEX NAME)



RN 285127-05-1 CAPLUS
CN Benzamide, 2-[(2-chloro-4-iodophenyl)amino]-3,4-difluoro-5-[(methoxymethylamino)sulfonyl]-N-(2-propenyloxy)- (9CI) (CA INDEX NAME)

L16 ANSWER 7 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 8 OF 36 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2000:475534 CAPLUS
DOCUMENT NUMBER: 133:89333
TITLE: Preparation of 2-(4-bromo or 4-iodo phenylamino)benzoic acid derivatives as MEK inhibitors for use as antiviral agents
INVENTOR(S): Bridges, Alexander James; Dudley, David Thomas; Gracheck, Stephen Joseph; Meyer, Annette Lynn; Saltiel, Alan Robert; Sebolt-Leopold, Judith
PATENT ASSIGNEE(S): Warner-Lambert Company, USA
SOURCE: PCT Int. Appl., 112 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000040237	A1	20000713	WO 1999-US30484	19991221
W: AE, AL, AU, BA, BB, BG, BR, CA, CN, CR, CU, CZ, DM, EE, GD, GE, HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MA, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2358438	AA	20000713	CA 1999-2358438	19991221
EP 1140067	A1	20011010	EP 1999-966522	19991221
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				

PRIORITY APPLN. INFO.: US 1999-115026P P 19990107
WO 1999-US30484 W 19991221
OTHER SOURCE(S): MARPAT 133:89333
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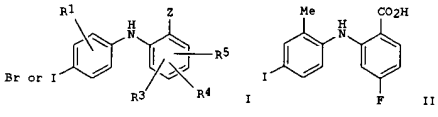


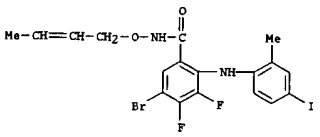
AB The title compds. (I) [wherein R1 = H, OH, alkyl, alkoxy, halo, CF3, or

L16 ANSWER 8 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)

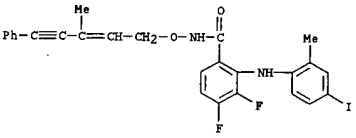
CN; R3-R5 = independently H, OH, halo, CF3, alkyl, alkoxy, NO2, CN, or (O or NH)m-(CH2)n-R9, where R9 = H, OH, CO2H, or NR10R11; m = 0 or 1; n = 0-4; R10 and R11 = H, alkyl, or taken together with the N to which they are attached form a 3-10 membered ring; Z = CO2R7, tetrazolyl, CONR6R7, CONHNR10R11, or CH2OR7; R6 and R7 = independently H, (cyclo)alkyl, alkenyl, alkynyl, acyl, (hetero)aryl, or taken together with the N to which they are attached form a 3-10 membered ring, etc.] were prepd. by std. or combinatorial synthetic methods involving the addn. of halobenzoic acids to haloanilines and optional redn. or amidation of the acid. For example, treatment of 2-amino-5-iodotoluene in THF with LDA in THF/heptane/ethenylbenzene soln., followed by addn. of 2,4-difluorobenzoic acid in THF afforded II. In assays evaluating the ability to prevent and inhibit growth of human cytomegleovirus (HCMV) and herpesvirus (HSV-1), 2-(2-methyl-4-iodophenylamino)-N-cyclopropylmethoxy-3,4-difluoro-5-bromobenzamide (PD 177168) gave IC50 of 0.8 .mu.M and 3.0 .mu.M, resp., with TC50 of 9 .mu.M and 11 .mu.M, resp. PD 177168 also showed anti-HIV activity with EC50 of 0.18 .mu.M and TC50 of 5.95 .mu.M. Thus, I are potent MEK inhibitors that are useful in the prevention and treatment of viral infections, esp. HIV, hepatitis B, and herpesvirus.

IT **212630-63-2P**, 5-Bromo-N-(but-2-enyloxy)-3,4-difluoro-2-(4-iodo-2-methylphenylamino)benzamide **212630-77-8P**, 3,4-Difluoro-2-(4-iodo-2-methylphenylamino)-N-(3-methyl-5-phenylpent-2-en-4-ynyloxy)benzamide **212630-78-9P**, 2-(4-Bromo-2-methylphenylamino)-3,4-difluoro-N-(3-methyl-5-phenylpent-2-en-4-ynyloxy)benzamide **212631-03-3P**, 4-Fluoro-2-(4-iodo-2-methylphenylamino)-N-(2-methylallyloxy)benzamide **212631-04-4P**, 3,4-Difluoro-2-(4-iodo-2-methylphenylamino)-N-(2-methylallyloxy)benzamide **212631-05-5P**, 2-(4-Bromo-2-methylphenylamino)-3,4-difluoro-N-(2-methylallyloxy)benzamide **212631-06-6P**, N-(But-2-enyloxy)-4-fluoro-2-(4-iodo-2-methylphenylamino)benzamide **212631-07-7P**, N-(But-2-enyloxy)-3,4-difluoro-2-(4-iodo-2-methylphenylamino)benzamide **212631-08-8P**, 2-(4-Bromo-2-methylphenylamino)-N-(but-2-enyloxy)-3,4-difluorobenzamide **212631-13-5P** **212631-29-3P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of 2-(4-bromo or 4-iodo phenylamino)benzoic acid derivs. as MEK inhibitors by addn. of halobenzoic acids to haloanilines and optional redn. or amidation of the acid)

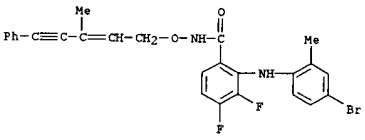
L16 ANSWER 8 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)
RN 212630-63-2 CAPLUS
CN Benzamide, 5-bromo-N-(2-butenyloxy)-3,4-difluoro-2-[(4-iodo-2-methylphenyl)amino]- (9CI) (CA INDEX NAME)



RN 212630-77-8 CAPLUS
CN Benzamide, 3,4-difluoro-2-[(4-iodo-2-methylphenyl)amino]-N-[(3-methyl-5-phenyl-2-penten-4-ynyl)oxy]- (9CI) (CA INDEX NAME)

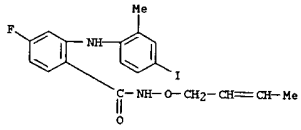


RN 212630-78-9 CAPLUS
CN Benzamide, 2-[(4-bromo-2-methylphenyl)amino]-3,4-difluoro-N-[(3-methyl-5-phenyl-2-penten-4-ynyl)oxy]- (9CI) (CA INDEX NAME)

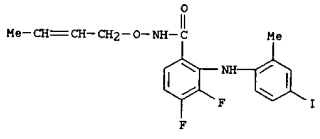


RN 212631-03-3 CAPLUS
CN Benzamide, 4-fluoro-2-[(4-iodo-2-methylphenyl)amino]-N-[(2-methyl-2-propenyl)oxy]- (9CI) (CA INDEX NAME)

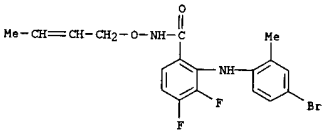
L16 ANSWER 8 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)



RN 212631-07-7 CAPLUS
CN Benzamide, N-(2-butenyloxy)-3,4-difluoro-2-[(4-iodo-2-methylphenyl)amino]- (9CI) (CA INDEX NAME)

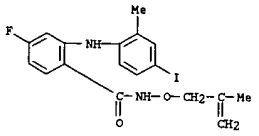


RN 212631-08-8 CAPLUS
CN Benzamide, 2-[(4-bromo-2-methylphenyl)amino]-N-(2-butenyloxy)-3,4-difluoro- (9CI) (CA INDEX NAME)

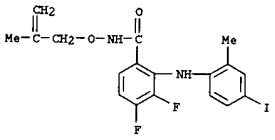


RN 212631-13-5 CAPLUS
CN Benzamide, 4-fluoro-2-[(4-iodo-2-methylphenyl)amino]-N-(2-propenyloxy)- (9CI) (CA INDEX NAME)

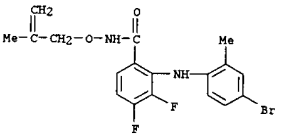
L16 ANSWER 8 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)



RN 212631-04-4 CAPLUS
CN Benzamide, 3,4-difluoro-2-[(4-iodo-2-methylphenyl)amino]-N-[(2-methyl-2-propenyl)oxy]- (9CI) (CA INDEX NAME)

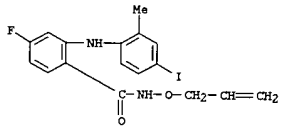


RN 212631-05-5 CAPLUS
CN Benzamide, 2-[(4-bromo-2-methylphenyl)amino]-3,4-difluoro-N-[(2-methyl-2-propenyl)oxy]- (9CI) (CA INDEX NAME)

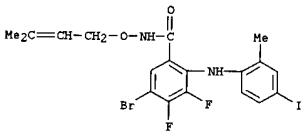


RN 212631-06-6 CAPLUS
CN Benzamide, N-(2-butenyloxy)-4-fluoro-2-[(4-iodo-2-methylphenyl)amino]- (9CI) (CA INDEX NAME)

L16 ANSWER 8 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)



RN 212631-29-3 CAPLUS
CN Benzamide, 5-bromo-3,4-difluoro-2-[(4-iodo-2-methylphenyl)amino]-N-[(3-methyl-2-butenyl)oxy]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

L16 ANSWER 9 OF 36 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2000:475533 CAPLUS
DOCUMENT NUMBER: 133:89332
TITLE: Preparation of 2-(4-bromo or 4-iodo phenylamino)benzoic acid derivatives as MEK inhibitors for the treatment of asthma
INVENTOR(S): Bridges, Alexander James; Dudley, David Thomas; Mobley, James Leslie; Saltiel, Alan Robert
PATENT ASSIGNEE(S): Warner-Lambert Company, USA
SOURCE: PCT Int. Appl., 106 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000040235	A2	20000713	WO 1999-US30419	19991221
WO 2000040235	A3	20001109		

W: AE, AL, AU, BA, BB, BG, BR, CA, CN, CR, CU, CZ, DM, EE, GD, GE, HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MA, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

EP 1140062	A2	20011010	EP 1999-968153	19991221
BR 9916785	A	20011023	BR 1999-16785	19991221

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO

PRIORITY APPLN. INFO.: US 1999-115086P P 19990107
WO 1999-US30419 W 19991221
OTHER SOURCE(S): MARPAT 133:89332
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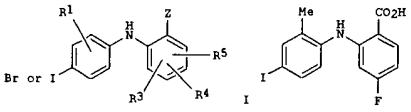
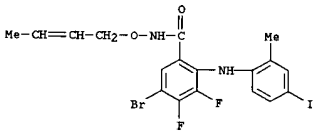


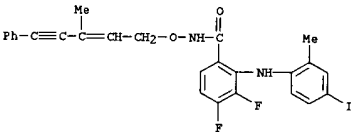
AB The title compds. (I) [wherein R1 = H, OH, alkyl, alkoxy, halo, CF3, or CN; R3-R5 = independently H, OH, halo, CF3, alkyl, alkoxy, NO2, CN, or (O

L16 ANSWER 9 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)
or NH)m-(CH2)n-R9, where R9 = H, OH, CO2H, or NR10R11; m = 0 or 1; n = 0-4; R10 and R11 = H, alkyl, or taken together with the N to which they are attached form a 3-10 membered ring; Z = CO2R7, tetrazolyl, CONR6R7, CONHNR10R11, or CH2OR7; R6 and R7 = independently H, (cyclo)alkyl, alkenyl, alkynyl, acyl, (hetero)aryl, or taken together with the N to which they are attached form a 3-10 membered ring, etc.] were prepd. by std. or combinatorial synthetic methods involving the addn. of halobenzoic acids to haloanilines and optional redn. or amidation of the acid. For example, treatment of 2-amino-5-iodotoluene in THF with LDA in THF/heptane/ethenylbenzene soln., followed by addn. of 2,4-difluorobenzoic acid in THF afforded II. In an in vitro assay, 2-(2-methyl-4-iodophenylamino)-N-hydroxy-3,4-difluoro-5-bromobenzamide (PD 171984) prevented antigen-induced prodn. of interleukin 5 (IL-5) by OVA-primed splenocytes with IC50 of 117 nM. In an adoptive-transfer assay using OVA-sensitized splenocytes cultured in the presence of PD 171984, the latter inhibited BAL eosinophilic lung inflammation by 99.82% at a dose of 10 .mu.M in mice. PD 171984 also inhibited active OVA-induced eosinophilic lung inflammation in mice dosed orally at 100 .mu.M for 4 days, suppressing BAL eosinophilia by 55.26%. Thus, I are potent MEK inhibitors that are useful in the prevention and treatment of asthma.
IT **212630-63-2P**, 5-Bromo-N-(but-2-enyloxy)-3,4-difluoro-2-(4-iodo-2-methylphenylamino)benzamide **212630-77-8P**, 3,4-Difluoro-2-(4-iodo-2-methylphenylamino)-N-(3-methyl-5-phenylpent-2-en-4-ynyloxy)benzamide **212630-78-9P**, 2-(4-Bromo-2-methylphenylamino)-3,4-difluoro-N-(3-methyl-5-phenylpent-2-en-4-ynyloxy)benzamide **212631-03-3P**, 4-Fluoro-2-(4-iodo-2-methylphenylamino)-N-(2-methylallyloxy)benzamide **212631-04-4P**, 3,4-Difluoro-2-(4-iodo-2-methylphenylamino)-N-(2-methylallyloxy)benzamide **212631-05-5P**, 2-(4-Bromo-2-methylphenylamino)-3,4-difluoro-N-(2-methylallyloxy)benzamide **212631-06-6P**, N-(But-2-enyloxy)-4-fluoro-2-(4-iodo-2-methylphenylamino)benzamide **212631-07-7P**, N-(But-2-enyloxy)-3,4-difluoro-2-(4-iodo-2-methylphenylamino)benzamide **212631-08-8P**, 2-(4-Bromo-2-methylphenylamino)-N-(but-2-enyloxy)-3,4-difluorobenzamide **212631-13-5P** **212631-29-3P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of 2-(4-bromo or 4-iodo phenylamino)benzoic acid derivs. as MEK inhibitors by addn. of halobenzoic acids to haloanilines and optional redn. or amidation of the acid)
RN 212630-63-2 CAPLUS
CN Benzamide, 5-bromo-N-(2-butenyloxy)-3,4-difluoro-2-[(4-iodo-2-methylphenyl)amino]- (9CI) (CA INDEX NAME)

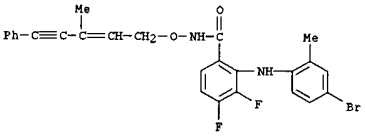
L16 ANSWER 9 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)



RN 212630-77-8 CAPLUS
CN Benzamide, 3,4-difluoro-2-[(4-iodo-2-methylphenyl)amino]-N-[(3-methyl-5-phenyl-2-penten-4-ynyl)oxy]- (9CI) (CA INDEX NAME)

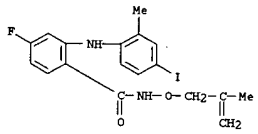


RN 212630-78-9 CAPLUS
CN Benzamide, 2-[(4-bromo-2-methylphenyl)amino]-3,4-difluoro-N-[(3-methyl-5-phenyl-2-penten-4-ynyl)oxy]- (9CI) (CA INDEX NAME)

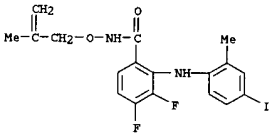


RN 212631-03-3 CAPLUS
CN Benzamide, 4-fluoro-2-[(4-iodo-2-methylphenyl)amino]-N-[(2-methyl-2-propenyl)oxy]- (9CI) (CA INDEX NAME)

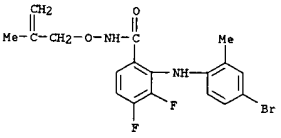
L16 ANSWER 9 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)



RN 212631-04-4 CAPLUS
CN Benzamide, 3,4-difluoro-2-[(4-iodo-2-methylphenyl)amino]-N-[(2-methyl-2-propenyl)oxy]- (9CI) (CA INDEX NAME)

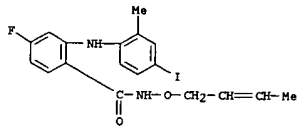


RN 212631-05-5 CAPLUS
CN Benzamide, 2-[(4-bromo-2-methylphenyl)amino]-3,4-difluoro-N-[(2-methyl-2-propenyl)oxy]- (9CI) (CA INDEX NAME)



RN 212631-06-6 CAPLUS
CN Benzamide, N-(2-butenyloxy)-4-fluoro-2-[(4-iodo-2-methylphenyl)amino]- (9CI) (CA INDEX NAME)

L16 ANSWER 9 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)



RN 212631-07-7 CAPLUS
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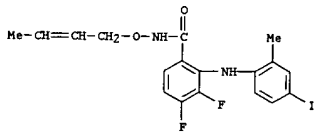
N-(2-butenyloxy)-3,4-difluoro-2-[(4-iodo-2-methylphenyl)amino]-
(9CI) (CA INDEX NAME)



RN 212631-08-8 CAPLUS
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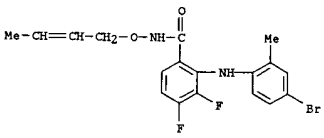
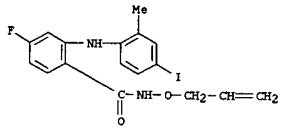
2-[(4-bromo-2-methylphenyl)amino]-N-(2-butenyloxy)-3,4-difluoro-
(9CI) (CA INDEX NAME)

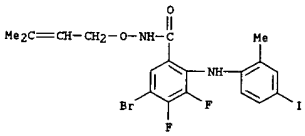


RN 212631-13-5 CAPLUS
CN Benzamide,
4-fluoro-2-[(4-iodo-2-methylphenyl)amino]-N-(2-propenyloxy)-
(9CI) (CA INDEX NAME)

L16 ANSWER 9 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)



RN 212631-29-3 CAPLUS
CN Benzamide,
5-bromo-3,4-difluoro-2-[(4-iodo-2-methylphenyl)amino]-N-[(3-
methyl-2-butenyl)oxy]- (9CI) (CA INDEX NAME)



L16 ANSWER 10 OF 36 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2000:441667 CAPLUS
DOCUMENT NUMBER: 133:58616
TITLE: Preparation of 2-(4-bromo or 4-iodo phenylamino)benzoic acid derivatives as MEK inhibitors
INVENTOR(S): Gowan, Richard Carleton; Sebolt-Leopold, Judith
PATENT ASSIGNEE(S): Warner-Lambert Company, USA
SOURCE: PCT Int. Appl., 115 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000037141	A1	20000629	WO 1999-US30485	19991221
W: AE, AL, AU, BA, BB, BG, BR, CA, CN, CR, CU, CZ, DM, EE, GD, GE, HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MA, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
BR 9916839	A	20011009	BR 1999-16839	19991221
EP 1140291	A1	20011010	EP 1999-966523	19991221
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2002532570	T2	20021002	JP 2000-589248	19991221
EE 200100339	A	20021015	EE 2001-339	19991221
NO 2001003099	A	20010820	NO 2001-3099	20010621
BG 105715	A	20020430	BG 2001-105715	20010718

PRIORITY APPLN. INFO.: US 1998-113291P P 19981222
US 1999-164788P P 19991110
WO 1999-US30485 W 19991221

OTHER SOURCE(S): MARPAT 133:58616
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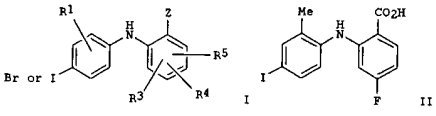


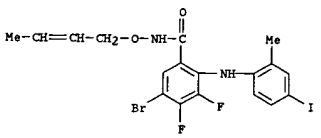
L16 ANSWER 10 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)

AB The title compds. (I) [wherein R1 = H, OH, alkyl, alkoxy, halo, CF3, or CN; R3-R5 = independently H, OH, halo, CF3, alkyl, alkoxy, NO2, CN, or (O or NH)m-(CH2)n-R9, where R9 = H, OH, CO2H, or NR10R11; m = 0 or 1; n = 0-4; R10 and R11 = H, alkyl, or taken together with the N to which they are attached form a 3-10 membered ring; Z = CO2R7, tetrazolyl, CONR6R7, CONHNR10R11, or CH2OR7; R6 and R7 = independently H, (cyclo)alkyl, alkenyl, alkynyl, acyl, (hetero)aryl, or taken together with the N to which they are attached form a 3-10 membered ring, etc.] were prepd. by std. or combinatorial synthetic methods involving the addn. of halobenzoic acids to haloanilines and optional redn. or amidation of the acid. Thus, treatment of 2-amino-5-iodotoluene in THF with LDA in THF/heptane/ethenylbenzene soln., followed by addn. of 2,4-difluorobenzoic acid in THF afforded II. Combination chemotherapy of I with a known mitotic agent caused dramatic increases of apoptosis of colon and lung carcinoma cells. For instance, 2-(2-chloro-4-iodophenylamino)-N-cyclopropylmethoxy-3,4-difluorobenzamide (PD 184352) in combination with paclitaxel resulted in 44% to 55% apoptosis, 6% to 18% increases over using either agent alone, of colon 26 carcinoma, HT-29 colon carcinoma, and A549 lung carcinoma cells.

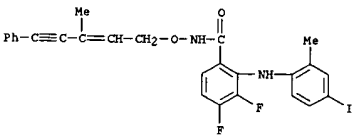
IT **212630-63-2P**, 5-Bromo-N-(but-2-enyloxy)-3,4-difluoro-2-(4-iodo-2-methylphenylamino)benzamide **212630-77-8P**, 3,4-Difluoro-2-(4-iodo-2-methylphenylamino)-N-(3-methyl-5-phenylpent-2-en-4-ynyloxy)benzamide **212630-78-9P**, 2-(4-Bromo-2-methylphenylamino)-3,4-difluoro-N-(3-methyl-5-phenylpent-2-en-4-ynyloxy)benzamide **212631-03-3P**, 4-Fluoro-2-(4-iodo-2-methylphenylamino)-N-(2-methylallyloxy)benzamide **212631-04-4P**, 3,4-Difluoro-2-(4-iodo-2-methylphenylamino)-N-(2-methylallyloxy)benzamide **212631-05-5P**, 2-(4-Bromo-2-methylphenylamino)-3,4-difluoro-N-(2-methylallyloxy)benzamide **212631-06-6P**, N-(But-2-enyloxy)-4-fluoro-2-(4-iodo-2-methylphenylamino)benzamide **212631-07-7P**, N-(But-2-enyloxy)-3,4-difluoro-2-(4-iodo-2-methylphenylamino)benzamide **212631-08-8P**, 2-(4-Bromo-2-methylphenylamino)-N-(but-2-enyloxy)-3,4-difluorobenzamide **212631-13-5P** **212631-29-3P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of 2-(4-bromo or 4-iodo phenylamino)benzoic acid derivs. as MEK inhibitors by addn. of halobenzoic acids to haloanilines and optional redn. or amidation of the acid)

RN 212630-63-2 CAPLUS

CN Benzamide, 5-bromo-N-(2-butenyloxy)-3,4-difluoro-2-[(4-iodo-2-methylphenyl)amino]- (9CI) (CA INDEX NAME)



RN 212630-77-8 CAPLUS
CN Benzamide,
3,4-difluoro-2-[(4-iodo-2-methylphenyl)amino]-N-[(3-methyl-5-phenyl-2-penten-4-ynyl)oxy]- (9CI) (CA INDEX NAME)



RN 212630-78-9 CAPLUS
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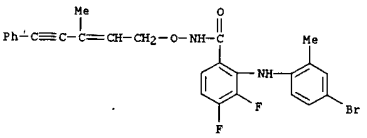
2-[(4-bromo-2-methylphenyl)amino]-3,4-difluoro-N-[(3-methyl-5-phenyl-2-penten-4-ynyl)oxy]- (9CI) (CA INDEX NAME)



RN 212631-03-3 CAPLUS
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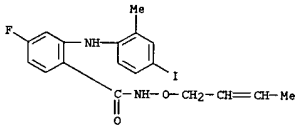

RN 212631-07-7 CAPLUS
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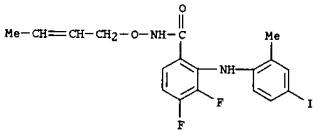
N-(2-butenyloxy)-3,4-difluoro-2-[(4-iodo-2-methylphenyl)amino]- (9CI) (CA INDEX NAME)



RN 212631-08-8 CAPLUS
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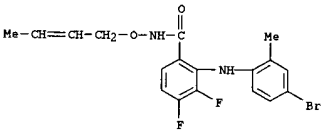
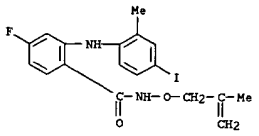
2-[(4-bromo-2-methylphenyl)amino]-N-(2-butenyloxy)-3,4-difluoro- (9CI) (CA INDEX NAME)



RN 212631-13-5 CAPLUS
CN Benzamide,
4-fluoro-2-[(4-iodo-2-methylphenyl)amino]-N-(2-propenyloxy)- (9CI) (CA INDEX NAME)



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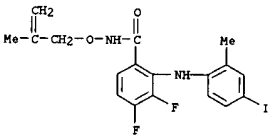

RN 212631-05-5 CAPLUS
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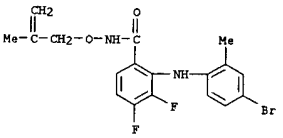

RN 212631-06-6 CAPLUS
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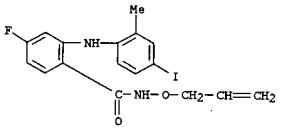

RN 212631-29-3 CAPLUS
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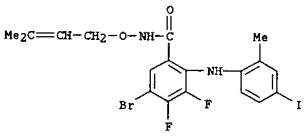
5-bromo-3,4-difluoro-2-[(4-iodo-2-methylphenyl)amino]-N-[(3-methyl-2-butenyl)oxy]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 11 OF 36 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2000:420949 CAPLUS
DOCUMENT NUMBER: 133:73860
TITLE: Preparation of 2-(4-bromo or 4-iodo phenylamino)benzoic acid derivatives as MEK inhibitors
INVENTOR(S): Dudley, David Thomas; Flory, Craig Mason; Saltiel, Alan Robert
PATENT ASSIGNEE(S): Warner-Lambert Company, USA
SOURCE: PCT Int. Appl., 106 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000035436	A2	20000622	WO 1999-US29783	19991215
WO 2000035436	A3	20011018		

W: AE, AL, AU, BA, BB, BG, BR, CA, CN, CR, CU, CZ, DM, EE, GD, GE, HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MA, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

CA 2346448	AA	20000622	CA 1999-2346448	19991215
EP 1143957	A2	20011017	EP 1999-966278	19991215
EP 1143957	A3	20020227		

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI

PRIORITY APPLN. INFO.:
US 1998-112544P P 19981216
US 1999-164651P P 19991110
WO 1999-US29783 W 19991215
OTHER SOURCE(S): MARPAT 133:73860
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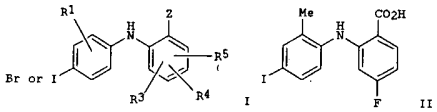
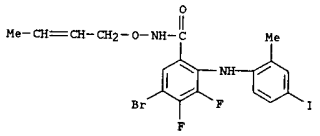


L16 ANSWER 11 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)

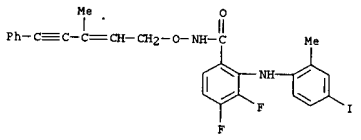
AB The title compds. (I) [wherein R1 = H, OH, alkyl, alkoxy, halo, CF3, or CN; R3-R5 = independently H, OH, halo, CF3, alkyl, alkoxy, NO2, CN, or (O or NH)m-(CH2)n-R9, where R9 = H, OH, CO2H, or NR10R11; m = 0 or 1; n = 0-4; R10 and R11 = H, alkyl, or taken together with the N to which they are attached form a 3-10 membered ring; Z = CO2R7, tetrazolyl, CONR6R7, CONHNR10R11, or CH2OR7; R6 and R7 = independently H, (cyclo)alkyl, alkenyl, alkynyl, acyl, (hetero)aryl, or taken together with the N to which they are attached form a 3-10 membered ring, etc.] were prepd. by std. or combinatorial synthetic methods involving the addn. of halobenzoic acids to haloanilines and optional redn. or amidation of the acid. For example, treatment of 2-amino-5-iodotoluene in THF with LDA in THF/heptane/ethenylbenzene soln., followed by addn. of 2,4-difluorobenzoic acid in THF afforded II. In assays against type II collagen induced arthritis in mice and monoarticular arthritis in rats, I showed potent anti-arthritic activity. I inhibited IL-1 induced stromelysin prodn. in rabbit synovial fibroblast cell cultures with IC50 from 9 nM to 192 nM. Interleukin 1-alpha stimulated cartilage degrdn. was reduced by up to 75% in New Zealand white rabbits upon administration of I. Thus, I are potent MEK inhibitors useful in the prevention and treatment of rheumatoid arthritis or osteoarthritis.

IT **212630-63-2P**, 5-Bromo-N-(but-2-enyloxy)-3,4-difluoro-2-(4-iodo-2-methylphenylamino)benzamide **212630-77-8P**, 3,4-Difluoro-2-(4-iodo-2-methylphenylamino)-N-(3-methyl-5-phenylpent-2-en-4-ynyloxy)benzamide **212630-78-9P**, 2-(4-Bromo-2-methylphenylamino)-3,4-difluoro-N-(3-methyl-5-phenylpent-2-en-4-ynyloxy)benzamide **212631-03-3P**, 4-Fluoro-2-(4-iodo-2-methylphenylamino)-N-(2-methylallyloxy)benzamide **212631-04-4P**, 3,4-Difluoro-2-(4-iodo-2-methylphenylamino)-N-(2-methylallyloxy)benzamide **212631-05-5P**, 2-(4-Bromo-2-methylphenylamino)-3,4-difluoro-N-(2-methylallyloxy)benzamide **212631-06-6P**, N-(But-2-enyloxy)-4-fluoro-2-(4-iodo-2-methylphenylamino)benzamide **212631-07-7P**, N-(But-2-enyloxy)-3,4-difluoro-2-(4-iodo-2-methylphenylamino)benzamide **212631-08-8P**, 2-(4-Bromo-2-methylphenylamino)-N-(but-2-enyloxy)-3,4-difluorobenzamide **212631-13-5P** **212631-29-3P** **212631-30-6P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of 2-(4-bromo or 4-iodo phenylamino)benzoic acid derivs. as MEK inhibitors by addn. of halobenzoic acids to haloanilines and optional

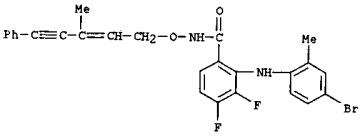
L16 ANSWER 11 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)
redn. or amidation of the acid)
RN 212630-63-2 CAPLUS
CN Benzamide, 5-bromo-N-(2-butenyloxy)-3,4-difluoro-2-[(4-iodo-2-methylphenyl)amino]- (9CI) (CA INDEX NAME)



RN 212630-77-8 CAPLUS
CN Benzamide, 3,4-difluoro-2-[(4-iodo-2-methylphenyl)amino]-N-[(3-methyl-5-phenyl-2-penten-4-ynyl)oxy]- (9CI) (CA INDEX NAME)

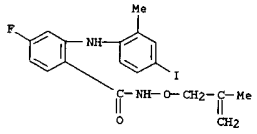


RN 212630-78-9 CAPLUS
CN Benzamide, 2-[(4-bromo-2-methylphenyl)amino]-3,4-difluoro-N-[(3-methyl-5-phenyl-2-penten-4-ynyl)oxy]- (9CI) (CA INDEX NAME)

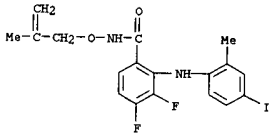


RN 212631-03-3 CAPLUS
CN Benzamide, 4-fluoro-2-[(4-iodo-2-methylphenyl)amino]-N-[(2-methyl-2-propenyl)oxy]- (9CI) (CA INDEX NAME)

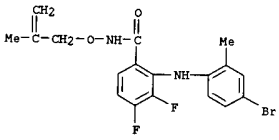
L16 ANSWER 11 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)



RN 212631-04-4 CAPLUS
CN Benzamide, 3,4-difluoro-2-[(4-iodo-2-methylphenyl)amino]-N-[(2-methyl-2-propenyl)oxy]- (9CI) (CA INDEX NAME)

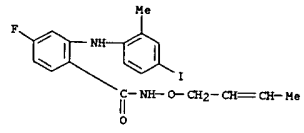


RN 212631-05-5 CAPLUS
CN Benzamide, 2-[(4-bromo-2-methylphenyl)amino]-3,4-difluoro-N-[(2-methyl-2-propenyl)oxy]- (9CI) (CA INDEX NAME)

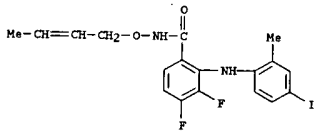


RN 212631-06-6 CAPLUS
CN Benzamide, N-(2-butenyloxy)-4-fluoro-2-[(4-iodo-2-methylphenyl)amino]- (9CI) (CA INDEX NAME)

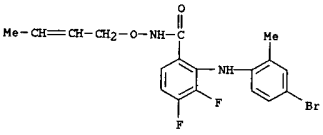
L16 ANSWER 11 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)



RN 212631-07-7 CAPLUS
CN Benzamide,
N-(2-butenyloxy)-3,4-difluoro-2-[(4-iodo-2-methylphenyl)amino]-
(9CI) (CA INDEX NAME)

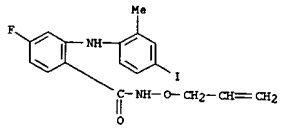


RN 212631-08-8 CAPLUS
CN Benzamide,
2-[(4-bromo-2-methylphenyl)amino]-N-(2-butenyloxy)-3,4-difluoro-
(9CI) (CA INDEX NAME)

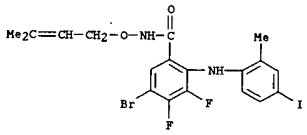


RN 212631-13-5 CAPLUS
CN Benzamide,
4-fluoro-2-[(4-iodo-2-methylphenyl)amino]-N-(2-propenyloxy)-
(9CI) (CA INDEX NAME)

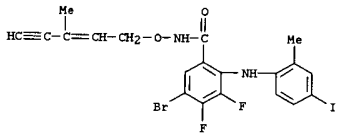
L16 ANSWER 11 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)



RN 212631-29-3 CAPLUS
CN Benzamide,
5-bromo-3,4-difluoro-2-[(4-iodo-2-methylphenyl)amino]-N-[(3-
methyl-2-butenyl)oxy]- (9CI) (CA INDEX NAME)



RN 212631-30-6 CAPLUS
CN Benzamide,
5-bromo-3,4-difluoro-2-[(4-iodo-2-methylphenyl)amino]-N-[(3-
methyl-2-penten-4-ynyl)oxy]- (9CI) (CA INDEX NAME)

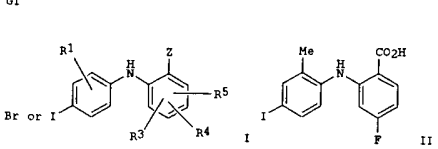


L16 ANSWER 12 OF 36 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2000:420948 CAPLUS
DOCUMENT NUMBER: 133:73859
TITLE: Preparation of 2-(4-bromo or 4-iodo phenylamino)benzoic acid derivatives as MEK inhibitors
INVENTOR(S): Gilbertsen, Richard Buell
PATENT ASSIGNEE(S): Warner-Lambert Co., USA
SOURCE: PCT Int. Appl., 128 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000035435	A1	20000622	WO 1999-US29591	19991214
W: AE, AL, AU, BA, BB, BG, BR, CA, CN, CR, CU, CZ, DM, EE, GD, GE,				
HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MA, MG,				
MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, SL, TR, TT, UA, US, UZ,				
VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,				
DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,				
CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2346684	AA	20000622	CA 1999-2346684	19991214
EP 1140046	A1	20011010	EP 1999-966203	19991214
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,				
IE, SI, LT, LV, FI, RO				
JP 2002532414	T2	20021002	JP 2000-587756	19991214
ZA 2001003765	A	20020509	ZA 2001-3765	20010509

PRIORITY APPLN. INFO.: US 1998-112369P P 19981215
WO 1999-US29591 W 19991214
OTHER SOURCE(S): MARPAT 133:73859
GI



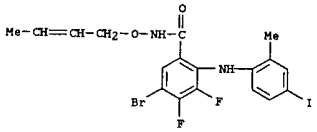
AB The title compds. (I) [wherein R1 = H, OH, alkyl, alkoxy, halo, CF3, or
CN; R3-R5 = independently H, OH, halo, CF3, alkyl, alkoxy, NO2, CN, or (O

L16 ANSWER 12 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)
or NH)m-(CH2)n-R9, where R9 = H, OH, CO2H, or NR10R11; m = 0 or 1; n = 0-4; R10 and R11 = H, alkyl, or taken together with the N to which they
are attached form a 3-10 membered ring; Z = CO2R7, tetrazolyl, CONR6R7,
CONHNR10R11, or CH2OR7; R6 and R7 = independently H, (cyclo)alkyl, alkenyl, alkynyl, acyl, (hetero)aryl, or taken together with the N to which they are attached form a 3-10 membered ring, etc.] were prepd. by
std. or combinatorial synthetic methods involving the addn. of halobenzoic
acids to haloanilines and optional redn. or amidation of the acid. For
example, treatment of 2-amino-5-iodotoluene in THF with LDA in THF/heptane/ethenylbenzene soln., followed by addn. of 2,4-difluorobenzoic
acid in THF afforded II. In a mixed lymphocyte (or leukocyte) reaction
(MLR) assay, 2-(2-chloro-4-iodophenylamino)-N-cyclopropylmethoxy-3,4-difluorobenzamide (PD 184352) improved histocompatibility and gave IC50 of
186 nM. PD 184352 demonstrated potent immunosuppressive activity by causing almost total inhibition of Con A induced T cell proliferation at
the highest dose tested (10.o .mu.M) with IC50 of 340 nM. Thus, I are potent MEK inhibitors with immunosuppressive properties that are useful
for preventing and controlling the rejection of transplants in mammals.

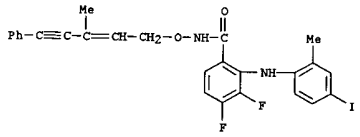
IT **212630-63-2P**, 5-Bromo-N-(but-2-enyloxy)-3,4-difluoro-2-(4-iodo-2-methylphenylamino)benzamide **212630-77-8P**, 3,4-Difluoro-2-(4-iodo-2-methylphenylamino)-N-(3-methyl-5-phenylpent-2-en-4-ynyloxy)benzamide **212630-78-9P**, 2-(4-Bromo-2-methylphenylamino)-3,4-difluoro-N-(3-methyl-5-phenylpent-2-en-4-ynyloxy)benzamide **212631-03-3P**, 4-Fluoro-2-(4-iodo-2-methylphenylamino)-N-(2-methylallyloxy)benzamide **212631-04-4P**, 3,4-Difluoro-2-(4-iodo-2-methylphenylamino)-N-(2-methylallyloxy)benzamide **212631-05-5P**, 2-(4-Bromo-2-methylphenylamino)-3,4-difluoro-N-(2-methylallyloxy)benzamide **212631-06-6P**, N-(But-2-enyloxy)-4-fluoro-2-(4-iodo-2-methylphenylamino)benzamide **212631-07-7P**, N-(But-2-enyloxy)-3,4-difluoro-2-(4-iodo-2-methylphenylamino)benzamide **212631-08-8P**, 2-(4-Bromo-2-methylphenylamino)-N-(but-2-enyloxy)-3,4-difluorobenzamide **212631-13-5P** **212631-29-3P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological
study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use);
BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of 2-(4-bromo or 4-iodo phenylamino)benzoic acid derivs. as MEK
inhibitors by addn. of halobenzoic acids to haloanilines and optional
redn. or amidation of the acid)

RN 212630-63-2 CAPLUS
CN Benzamide, 5-bromo-N-(2-butenyloxy)-3,4-difluoro-2-[(4-iodo-2-

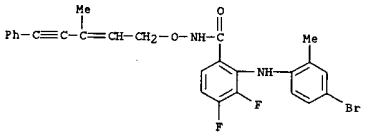
L16 ANSWER 12 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)
methylphenyl)amino]- (9CI) (CA INDEX NAME)



RN 212630-77-8 CAPLUS
CN Benzamide,
3,4-difluoro-2-[(4-iodo-2-methylphenyl)amino]-N-[(3-methyl-5-phenyl-2-penten-4-ynyl)oxy]- (9CI) (CA INDEX NAME)

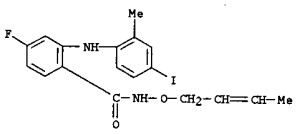


RN 212630-78-9 CAPLUS
CN Benzamide,
2-[(4-bromo-2-methylphenyl)amino]-3,4-difluoro-N-[(3-methyl-5-phenyl-2-penten-4-ynyl)oxy]- (9CI) (CA INDEX NAME)

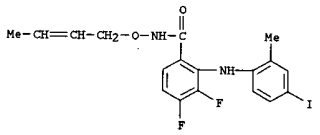


RN 212631-03-3 CAPLUS
CN Benzamide, 4-fluoro-2-[(4-iodo-2-methylphenyl)amino]-N-[(2-methyl-2-propenyl)oxy]- (9CI) (CA INDEX NAME)

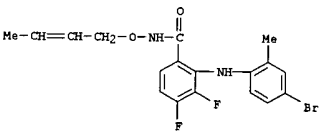
L16 ANSWER 12 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)



RN 212631-07-7 CAPLUS
CN Benzamide,
N-(2-butenyloxy)-3,4-difluoro-2-[(4-iodo-2-methylphenyl)amino]- (9CI) (CA INDEX NAME)

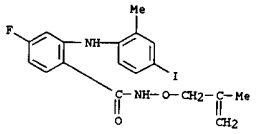


RN 212631-08-8 CAPLUS
CN Benzamide,
2-[(4-bromo-2-methylphenyl)amino]-N-(2-butenyloxy)-3,4-difluoro- (9CI) (CA INDEX NAME)

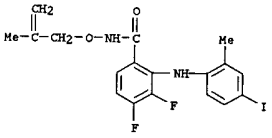


RN 212631-13-5 CAPLUS
CN Benzamide,
4-fluoro-2-[(4-iodo-2-methylphenyl)amino]-N-(2-propenyloxy)- (9CI) (CA INDEX NAME)

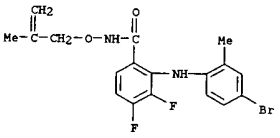
L16 ANSWER 12 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)



RN 212631-04-4 CAPLUS
CN Benzamide,
3,4-difluoro-2-[(4-iodo-2-methylphenyl)amino]-N-[(2-methyl-2-propenyl)oxy]- (9CI) (CA INDEX NAME)

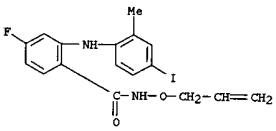


RN 212631-05-5 CAPLUS
CN Benzamide,
2-[(4-bromo-2-methylphenyl)amino]-3,4-difluoro-N-[(2-methyl-2-propenyl)oxy]- (9CI) (CA INDEX NAME)

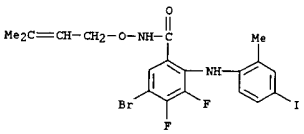


RN 212631-06-6 CAPLUS
CN Benzamide, N-(2-butenyloxy)-4-fluoro-2-[(4-iodo-2-methylphenyl)amino]- (9CI) (CA INDEX NAME)

L16 ANSWER 12 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)



RN 212631-29-3 CAPLUS
CN Benzamide,
5-bromo-3,4-difluoro-2-[(4-iodo-2-methylphenyl)amino]-N-[(3-methyl-2-butenyl)oxy]- (9CI) (CA INDEX NAME)



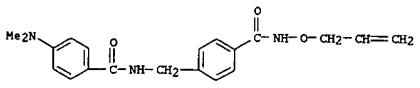
REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 13 OF 36 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1999:663042 CAPLUS
DOCUMENT NUMBER: 132:8716
TITLE: Amide Analogues of Trichostatin A as Inhibitors of
Histone Deacetylase and Inducers of Terminal Cell Differentiation
AUTHOR(S): Jung, Manfred; Brosch, Gerald; Koelle, Doris; Scherf,
Hans; Gerhaeuser, Clarissa; Loidl, Peter
CORPORATE SOURCE: Institut fuer Pharmazeutische Chemie, Westfaelische
Wilhelms-Universitaet Muenster, Muenster, 48149, Germany
SOURCE: Journal of Medicinal Chemistry (1999), 42(22), 4669-4679
CODEN: JMCMAR; ISSN: 0022-2623
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English

AB Inhibitors of histone deacetylase (HD) bear great potential as new drugs due to their ability to modulate transcription and to induce apoptosis or differentiation in cancer cells. We have described previously analogs of the complex natural HD inhibitors trapoxin B and trichostatin A with activities in the submicromolar range. Here we report structure-activity relationship analyses of further analogs of trichostatin A with respect to in vitro inhibition of maize HD-2 and their ability to induce terminal cell differentiation in Friend leukemic cells. This is the first report that shows the correlation between HD inhibitory activity and action on cancer cells on a larger series of similar compds. Only the compds. that inhibit HD induce differentiation and/or exert antiproliferative activities in cell culture. Our studies support the use of in vitro systems as screening tools and provide structure-activity relationships that merit further investigation of this interesting target.

IT **251456-89-0P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(synthesis of trichostatin A analogs, histone deacetylase inhibition and induction of terminal cell differentiation in leukemia cells)
RN 251456-89-0 CAPLUS
CN Benzamide, 4-[[[4-(dimethylamino)benzoyl]amino]methyl]-N-(2-propenyloxy)- (9CI) (CA INDEX NAME)

L16 ANSWER 13 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)

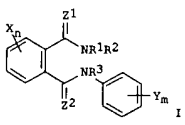


REFERENCE COUNT: 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 14 OF 36 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1999:355614 CAPLUS
DOCUMENT NUMBER: 131:31808
TITLE: Preparation of phthalic acid diamides as agricultural and horticultural insecticides
INVENTOR(S): Tohnishi, Masanori; Nakao, Hayami; Kohno, Eiji; Nishida, Tateki; Furuya, Takashi; Shimizu, Toshiaki; Seo, Akira; Sakata, Kazuyuki; Fujioka, Shinsuke; Kanno, Hideo
PATENT ASSIGNEE(S): Nihon Nohyaku Co., Ltd., Japan
SOURCE: Eur. Pat. Appl., 237 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 919542	A2	19990602	EP 1998-122107	19981123
EP 919542	A3	20000412		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
AU 9893292	A1	19990624	AU 1998-93292	19981120
AU 712421	B2	19991104		
ZA 9810677	A	19990526	ZA 1998-10677	19981123
CZ 291181	B6	20030115	CZ 1998-3799	19981123
CN 1222506	A	19990714	CN 1998-122688	19981125
CN 1068584	B	20010718		
JP 11240857	A2	19990907	JP 1998-350768	19981125
BR 9805060	A	20000321	BR 1998-5060	19981125

PRIORITY APPLN. INFO.: JP 1997-339393 A 19971125
OTHER SOURCE(S): MARPAT 131:31808
GI

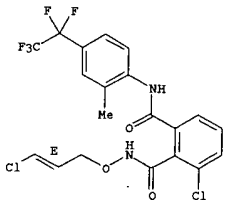


AB The title compds. [I; R1-R3 = H, CN, cycloalkyl, etc.; X = H, CN, NO2, etc.; n = 1-4; Y = H, halo, CN, etc.; m = 1-5; Z1, Z2 = O, S] which show excellent activities for controlling injurious insects, were prepd. Thus, reaction of 3-nitro-2-ethoxycarbonylbenzoyl chloride with

L16 ANSWER 14 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)
4-chloro-2-methylaniline in the presence of Et3N in THF followed by treatment of the resulting Et 6-nitro-N-(4-chloro-2-methylphenyl)phthalamate with isopropylamine in dioxane afforded I [R1 = iPr; R2 = R3 = H; X = 3-NO2; Y = 2-Me-4-Cl; Z1 = Z2 = O] which showed excellent insecticidal effect (100% mortality) against diamondback moth and common cutworm.

IT **226974-65-8P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of phthalic acid diamides as agricultural and horticultural insecticides)
RN 226974-65-8 CAPLUS
CN 1,2-Benzenedicarboxamide, 3-chloro-N2-[[(2E)-3-chloro-2-propenyl]oxy]-N1-[2-methyl-4-(pentafluoroethyl)phenyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



L16 ANSWER 15 OF 36 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1999:244659 CAPLUS
DOCUMENT NUMBER: 130:267440
TITLE: Preparation of aryltriazolones and related compounds as fungicides and arthropodicides.
INVENTOR(S): Clark, David Alan; Piotrowski, David Walter
PATENT ASSIGNEE(S): E.I. Du Pont De Nemours and Company, USA
SOURCE: PCT Int. Appl., 105 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9918102	A1	19990415	WO 1998-US20269	19980928
W: AL, AM, AU, AZ, BA, BB, BG, BR, BY, CA, CN, CU, CZ, EE, GD, GE, HR, HU, ID, IL, IS, JP, KG, KP, KR, KZ, LC, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, SL, TJ, TM, TR, TT, UA, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 9896707	A1	19990427	AU 1998-96707	19980928
PRIORITY APPLN. INFO.:			US 1997-61326P P	19971008
			WO 1998-US20269 W	19980928

OTHER SOURCE(S): MARPAT 130:267440
GI

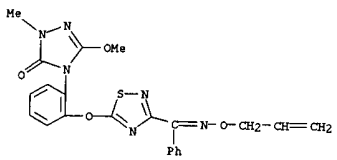
I

AB Title compds. [I; E = (substituted) phenylene, naphthylene, heterocyclylene; A = O, S, N, NR5, CR11; G = C, N; W = O, S; X = H, OR1, SOmR1, halo, alkyl, haloalkyl, cycloalkyl, cyano; R1, R5 = alkyl, haloalkyl, alkenyl, haloalkenyl, alkynyl, haloalkynyl, cycloalkyl, alkylcarbonyl, alkoxycarbonyl; R2 = R1, H, OH, alkoxy, AcO; YZ = .gtoreq.3 atoms selected from C, N, O, S, Si, Ge, and addnl. atoms selected from H, F, Cl, Br, iodo; R11 = H, halo, alkyl, haloalkyl, alkenyl, haloalkenyl, alkynyl, haloalkynyl, cycloalkyl; m = 0-2; dotted lines = double bond attached to A or G; with provisos], were prepd. Thus, 2,4-dihydro-4-(2-hydroxyphenyl)-5-methoxy-2-methyl-3H-1,2,4-triazol-3-one, 1-(2-chloro-4-methyl-5-thiazolyl)ethanone (prepn. given), and K2CO3 were refluxed 6 h in MeCN to give 4-[2-[(5-acetyl-4-methyl-2-thiazolyl)oxy]phenyl]-2,4-dihydro-5-methoxy-2-methyl-3H-1,2,4-triazol-3-one. The latter was stirred with NH2OCMe3.HCl and NaOAc in MeOH to give 4-[2-[[5-[(1,1-dimethylethoxy)imino]ethyl]-4-methyl-2-thiazolyloxy]phenyl]-2,4-dihydro-5-methoxy-2-methyl-3H-1,2,4-triazol-3-one. The latter at 200 ppm on wheat gave 100% control of Puccinia recondita.

IT **222168-61-8P**

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (prepn. of aryltriazolones and related compds. as fungicides and arthropodicides)

RN 222168-61-8 CAPLUS
CN 3H-1,2,4-Triazol-3-one, 2,4-dihydro-5-methoxy-2-methyl-4-[2-[[3-[phenyl[(2-propenyloxy)imino]methyl]-1,2,4-thiadiazol-5-yl]oxy]phenyl]- (9CI) (CA INDEX NAME)

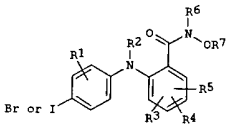


REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 16 OF 36 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1999:48698 CAPLUS
DOCUMENT NUMBER: 130:124900
TITLE: Preparation of 4-bromo or 4-iodo phenylamino benzhydroxamic acid derivatives as MEK inhibitors
INVENTOR(S): Barrett, Stephen Douglas; Bridges, Alexander James; Doherty, Annette Marian; Dudley, David Thomas; Saltiel, Alan Robert; Tecle, Haile
PATENT ASSIGNEE(S): Warner-Lambert Company, USA
SOURCE: PCT Int. Appl., 65 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9901426	A1	19990114	WO 1998-US13106	19980624
W: AL, AU, BA, BB, BG, BR, CA, CN, CZ, EE, GE, GW, HU, ID, IL, IS, JP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9882627	A1	19990125	AU 1998-82627	19980624
EP 993439	A1	20000419	EP 1998-932830	19980624
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
BR 9810366	A	20000829	BR 1998-10366	19980624
NZ 501276	A	20001027	NZ 1998-501276	19980624
JP 2002511092	T2	20020409	JP 1999-507228	19980624
TW 396149	B	20000701	TW 1998-87110252	19980625
ZA 9805728	A	19990127	ZA 1998-5728	19980630
MX 9910649	A	20000430	MX 1999-10649	19991118
NO 9906491	A	19991229	NO 1999-6491	19991227
US 2003078428	A1	20030424	US 2002-163890	20020604
PRIORITY APPLN. INFO.:			US 1997-51440P P	19970701
			WO 1998-US13106 W	19980624
			US 2000-462239 B1	20000104

OTHER SOURCE(S): MARPAT 130:124900
GI



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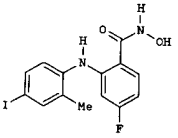


II

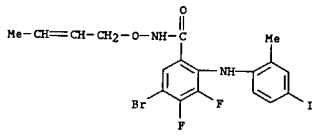
AB The title compds. [I; R1 = H, OH, C1-8 alkyl, etc.; R2 = H; R3-R5 = H, OH, halo, etc.; R6 = H, C1-8 alkyl, aryl, etc.; R7 = H, C1-8 alkyl, C2-8 alkenyl, etc.], which are potent inhibitors of MEK and, as such, are effective in treating cancer and other proliferative diseases such as psoriasis, restenosis, autoimmune disease, or atherosclerosis, and also stroke, heart failure, hepatomegaly, cardiomegaly, diabetes, Alzheimer's disease, and cystic fibrosis, were prepd. and formulated. Thus, treatment of 2-amino-5-iodotoluene in THF with LDA in THF/heptane/ethylbenzene soln. followed by addn. of 2,4-difluorobenzoic acid in THF, and reaction of the resulting 4-fluoro-2-(4-iodo-2-methylphenylamino)benzoic acid with O-(tetrahydro-2H-pyran-2-yl)hydroxylamine in the presence of diisopropylethylamine and PyBOP in THF/CH2Cl2, and treatment of the intermediate with ethanolic HCl afforded II which showed IC50 of 0.007 .mu.M against MEK in vitro.

IT **212630-63-2P 212630-77-8P 212630-78-9P**
212631-03-3P 212631-04-4P 212631-05-5P
212631-06-6P 212631-07-7P 212631-08-8P
212631-13-5P 212631-29-3P 212631-30-6P
212631-31-7P

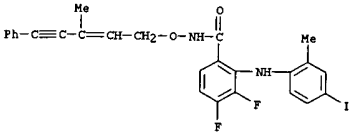
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (prepn. of 4-bromo or 4-iodo phenylamino benzhydroxamic acid derivs. as MEK inhibitors)

RN 212630-63-2 CAPLUS
CN Benzamide, 5-bromo-N-(2-butenyloxy)-3,4-difluoro-2-[(4-iodo-2-methylphenyl)amino]- (9CI) (CA INDEX NAME)

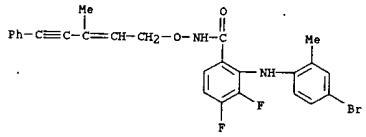
L16 ANSWER 16 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)



RN 212630-77-8 CAPLUS
CN Benzamide,
3,4-difluoro-2-[(4-iodo-2-methylphenyl)amino]-N-[(3-methyl-5-phenyl-2-penten-4-ynyl)oxy]- (9CI) (CA INDEX NAME)

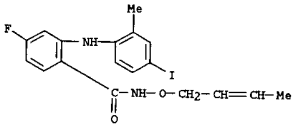


RN 212630-78-9 CAPLUS
CN Benzamide,
2-[(4-bromo-2-methylphenyl)amino]-3,4-difluoro-N-[(3-methyl-5-phenyl-2-penten-4-ynyl)oxy]- (9CI) (CA INDEX NAME)

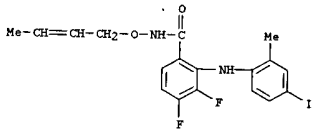


RN 212631-03-3 CAPLUS
CN Benzamide, 4-fluoro-2-[(4-iodo-2-methylphenyl)amino]-N-[(2-methyl-2-propenyl)oxy]- (9CI) (CA INDEX NAME)

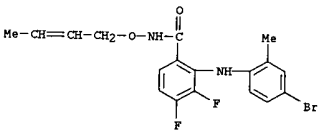
L16 ANSWER 16 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)



RN 212631-07-7 CAPLUS
CN Benzamide,
N-(2-butenyloxy)-3,4-difluoro-2-[(4-iodo-2-methylphenyl)amino]- (9CI) (CA INDEX NAME)

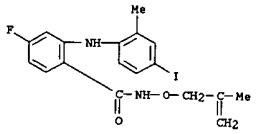


RN 212631-08-8 CAPLUS
CN Benzamide,
2-[(4-bromo-2-methylphenyl)amino]-N-(2-butenyloxy)-3,4-difluoro- (9CI) (CA INDEX NAME)

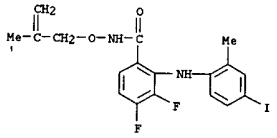


RN 212631-13-5 CAPLUS
CN Benzamide,
4-fluoro-2-[(4-iodo-2-methylphenyl)amino]-N-(2-propenyloxy)- (9CI) (CA INDEX NAME)

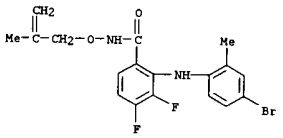
L16 ANSWER 16 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)



RN 212631-04-4 CAPLUS
CN Benzamide,
3,4-difluoro-2-[(4-iodo-2-methylphenyl)amino]-N-[(2-methyl-2-propenyl)oxy]- (9CI) (CA INDEX NAME)

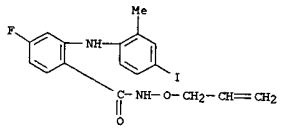


RN 212631-05-5 CAPLUS
CN Benzamide,
2-[(4-bromo-2-methylphenyl)amino]-3,4-difluoro-N-[(2-methyl-2-propenyl)oxy]- (9CI) (CA INDEX NAME)

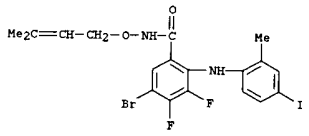


RN 212631-06-6 CAPLUS
CN Benzamide, N-(2-butenyloxy)-4-fluoro-2-[(4-iodo-2-methylphenyl)amino]- (9CI) (CA INDEX NAME)

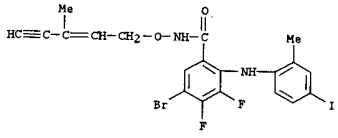
L16 ANSWER 16 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)



RN 212631-29-3 CAPLUS
CN Benzamide,
5-bromo-3,4-difluoro-2-[(4-iodo-2-methylphenyl)amino]-N-[(3-methyl-2-butenyl)oxy]- (9CI) (CA INDEX NAME)

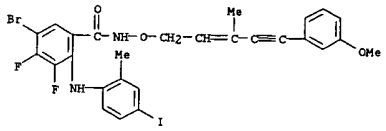


RN 212631-30-6 CAPLUS
CN Benzamide,
5-bromo-3,4-difluoro-2-[(4-iodo-2-methylphenyl)amino]-N-[(3-methyl-2-penten-4-ynyl)oxy]- (9CI) (CA INDEX NAME)



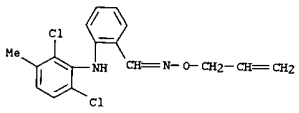
RN 212631-31-7 CAPLUS
CN Benzamide,
5-bromo-3,4-difluoro-2-[(4-iodo-2-methylphenyl)amino]-N-[[5-(3-methoxyphenyl)-3-methyl-2-penten-4-ynyl]oxy]- (9CI) (CA INDEX NAME)

L16 ANSWER 16 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS
FORMAT RECORD. ALL CITATIONS AVAILABLE IN THE RE

L16 ANSWER 17 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)
prepd. Thus, reaction of 2-[(2,6-dichloro-3-methylphenyl)amino]benzaldehyde (prepn. described) with O-carboxymethyl hydroxylamine afforded 54% II
which showed IC50 of 0.85 .mu.M and 0.022 .mu.M against human recombinant
PGHS-1 and PGHS-2, resp.
IT **216298-72-5P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(prepn. of oxime derivs. of fenamates as inhibitors of prostaglandin
biosynthesis)
RN 216298-72-5 CAPLUS
CN Benzaldehyde, 2-[(2,6-dichloro-3-methylphenyl)amino]-, O-2-propenyloxime
(9CI) (CA INDEX NAME)

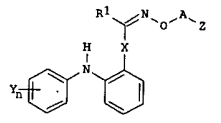


REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS
FORMAT RECORD. ALL CITATIONS AVAILABLE IN THE RE

L16 ANSWER 17 OF 36 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1998:774252 CAPLUS
DOCUMENT NUMBER: 130:24850
TITLE: Preparation of oxime derivatives of fenamates as inhibitors of prostaglandin biosynthesis
INVENTOR(S): Brooks, Clint D. W.; Kolasa, Teodozyj; Lee, Wendy; Stewart, Andrew O.
PATENT ASSIGNEE(S): Abbott Laboratories, USA
SOURCE: U.S., 15 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5840758	A	19981124	US 1996-659474	19960606

PRIORITY APPLN. INFO.: US 1996-659474 19960606
OTHER SOURCE(S): MARPAT 130:24850
GI



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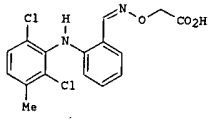


II

AB The title compds. [I; Y = halo, C1-6 alkyl, C1-6 haloalkyl; n = 0-3; A =
(un)substituted C1-6 alkylene, (un)substituted C1-6 cycloalkylene, etc.; X
= absent, alkylene; Z = H, COM (wherein M = OH, O(C1-6 alkyl), OPh, etc.);
R1 = H, C1-6 alkyl, (un)substituted Ph], prostaglandin biosynthesis inhibitors useful in the treatment of inflammatory disease states, were

L16 ANSWER 18 OF 36 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1998:603241 CAPLUS
DOCUMENT NUMBER: 129:230537
TITLE: Preparation of 2-phenylaminobenzoic acids and its amides as MEK inhibitors for treating or preventing
septic shock
INVENTOR(S): Bridges, Alexander James
PATENT ASSIGNEE(S): Warner Lambert Co., USA
SOURCE: PCT Int. Appl., 110 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9837881	A1	19980903	WO 1997-US23389	19971217
W: AL, AU, BA, BB, BG, BR, CA, CN, CZ, EE, GE, HU, ID, IL, IS, JP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9856103	A1	19980918	AU 1998-56103	19971217
ZA 9801578	A	19980902	ZA 1998-1578	19980225
US 6251943	B1	20010626	US 1999-355680	19990802

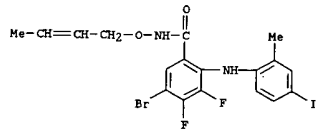
PRIORITY APPLN. INFO.: US 1997-39270P P 19970228
US 1997-56157P P 19970819
WO 1997-US23389 W 19971217
OTHER SOURCE(S): MARPAT 129:230537
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

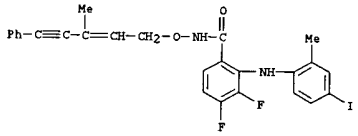
AB The title compds. [I and II; R1 = H, OH, C1-8 alkyl, etc.; R2 = H; R3-R5 =
H, OH, halo, etc.; Z = CO2R7, tetrazolyl, CONR6R7, etc.; R6, R7 = H, C1-8
alkyl, C2-8 alkenyl, etc.; R8 = H, C1-8 alkyl, aryl, etc.; R9 = H, C1-8
alkyl, C2-8 alkenyl, etc.], useful in treating or preventing septic shock,
were prepd. Thus, treatment of 2-amino-5-iodotoluene in THF with LDA/THF/heptane/ethenylbenzene followed by addn. 2,4-difluorobenzoic acid
afforded 47% III which showed IC50 of 0.019 .mu.M against MEK in vitro.

IT **212630-63-2P 212630-77-8P 212630-78-9P**
212631-03-3P 212631-04-4P 212631-05-5P
212631-06-6P 212631-07-7P 212631-08-8P
212631-13-5P 212631-25-9P 212631-29-3P
212631-30-6P 212631-31-7P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological
study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use);
BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of 2-phenylaminobenzoic acids and its amides as MEK inhibitors
for treating or preventing septic shock)

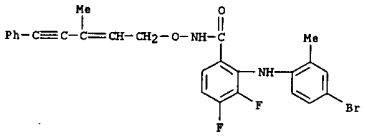
RN 212630-63-2 CAPLUS
CN Benzamide, 5-bromo-N-(2-butenyloxy)-3,4-difluoro-2-[(4-iodo-2-methylphenyl)amino]- (9CI) (CA INDEX NAME)



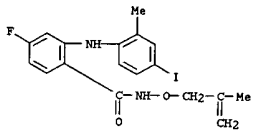
RN 212630-77-8 CAPLUS
CN Benzamide, 3,4-difluoro-2-[(4-iodo-2-methylphenyl)amino]-N-[(3-methyl-5-phenyl-2-penten-4-ynyl)oxy]- (9CI) (CA INDEX NAME)



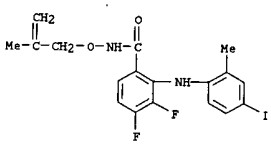
RN 212630-78-9 CAPLUS
CN Benzamide, 2-[(4-bromo-2-methylphenyl)amino]-3,4-difluoro-N-[(3-methyl-5-phenyl-2-penten-4-ynyl)oxy]- (9CI) (CA INDEX NAME)



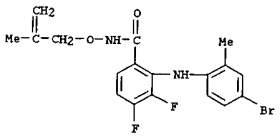
RN 212631-03-3 CAPLUS
CN Benzamide, 4-fluoro-2-[(4-iodo-2-methylphenyl)amino]-N-[(2-methyl-2-propenyl)oxy]- (9CI) (CA INDEX NAME)



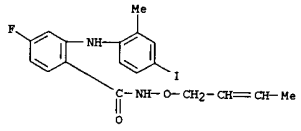
RN 212631-04-4 CAPLUS
CN Benzamide, 3,4-difluoro-2-[(4-iodo-2-methylphenyl)amino]-N-[(2-methyl-2-propenyl)oxy]- (9CI) (CA INDEX NAME)



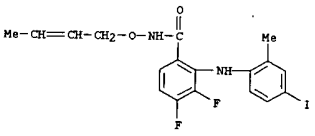
RN 212631-05-5 CAPLUS
CN Benzamide, 2-[(4-bromo-2-methylphenyl)amino]-3,4-difluoro-N-[(2-methyl-2-propenyl)oxy]- (9CI) (CA INDEX NAME)



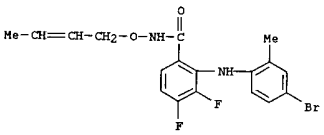
RN 212631-06-6 CAPLUS
CN Benzamide, N-(2-butenyloxy)-4-fluoro-2-[(4-iodo-2-methylphenyl)amino]- (9CI) (CA INDEX NAME)



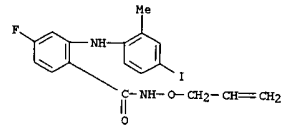
RN 212631-07-7 CAPLUS
CN Benzamide, N-(2-butenyloxy)-3,4-difluoro-2-[(4-iodo-2-methylphenyl)amino]- (9CI) (CA INDEX NAME)



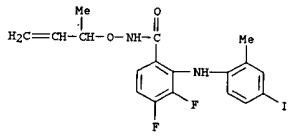
RN 212631-08-8 CAPLUS
CN Benzamide, 2-[(4-bromo-2-methylphenyl)amino]-N-(2-butenyloxy)-3,4-difluoro- (9CI) (CA INDEX NAME)



RN 212631-13-5 CAPLUS
CN Benzamide, 4-fluoro-2-[(4-iodo-2-methylphenyl)amino]-N-(2-propenyloxy)- (9CI) (CA INDEX NAME)

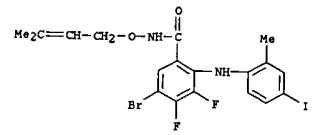


RN 212631-25-9 CAPLUS
CN Benzamide, 3,4-difluoro-2-[(4-iodo-2-methylphenyl)amino]-N-[(1-methyl-2-propenyl)oxy]- (9CI) (CA INDEX NAME)

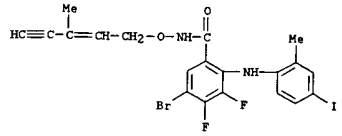


RN 212631-29-3 CAPLUS
CN Benzamide, 5-bromo-3,4-difluoro-2-[(4-iodo-2-methylphenyl)amino]-N-[(3-methyl-2-butenyl)oxy]- (9CI) (CA INDEX NAME)

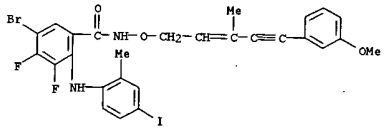
L16 ANSWER 18 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)



RN 212631-30-6 CAPLUS
CN Benzamide,
5-bromo-3,4-difluoro-2-[(4-iodo-2-methylphenyl)amino]-N-[(3-methyl-2-penten-4-ynyl)oxy]- (9CI) (CA INDEX NAME)

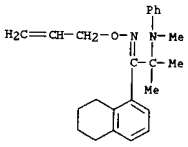


RN 212631-31-7 CAPLUS
CN Benzamide,
5-bromo-3,4-difluoro-2-[(4-iodo-2-methylphenyl)amino]-N-[[5-(3-methoxyphenyl)-3-methyl-2-penten-4-ynyl]oxy]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 19 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)



L16 ANSWER 19 OF 36 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1997:324132 CAPLUS
DOCUMENT NUMBER: 126:299707
TITLE: Waterless presensitized lithographic plate with high photosensitivity
INVENTOR(S): Hirano, Tsumoru; Kunida, Kazuto
PATENT ASSIGNEE(S): Fuji Photo Film Co Ltd, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 36 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 09062001	A2	19970307	JP 1995-214870	19950823
PRIORITY APPLN. INFO.:			JP 1995-214870	19950823

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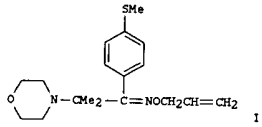

AB The title lithog. plate comprises a support laminated successively with a primer layer, a photopolymg. layer contg. a compd. having photopolymerizable ethylenic unsatd. groups and an oxime ether compd., and a silicone rubber layer. The lithog. plate shows high sensitivity toward active rays in the region from UV ray to visible light. Thus, a presensitized lithog. plate was prepd. by using a photosensitive layer contg. Sartomer 9035 (acrylate monomer), xylylenediamine-glycidyl methacrylate adduct, I, and polyurethane resin.

IT **189069-96-3**
RL: CAT (Catalyst use); USES (Uses)
(waterless presensitized lithog. plates contg. oxime ether compd. as photopolymn. initiator)

RN 189069-96-3 CAPLUS
CN 1-Propanone, 2-methyl-2-(methylphenylamino)-1-(5,6,7,8-tetrahydro-1-naphthalenyl)-, O-2-propenyloxime (9CI) (CA INDEX NAME)

L16 ANSWER 20 OF 36 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1996:746347 CAPLUS
DOCUMENT NUMBER: 126:18875
TITLE: Preparation of benzimidazolylalkanone oximes as GABAA receptor modulators
INVENTOR(S): Teuber, Lene; Waetjen, Frank; Fukuda, Yoshimasa; Ushiroda, Osamu; Sasaki, Toshiro
PATENT ASSIGNEE(S): Neurosearch A/S, Den.; Meiji Seika Kaisha, Ltd.; Teuber, Lene; Waetjen, Frank; Fukuda, Yoshimasa; Ushiroda, Osamu; Sasaki, Toshiro
SOURCE: PCT Int. Appl., 42 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9633191	A1	19961024	WO 1996-EP1649	19960419
W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI				
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN				
EP 1164134	A1	20011219	EP 2001-112476	19960417
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
CA 2218552	AA	19961024	CA 1996-2218552	19960419
AU 9656906	A1	19961107	AU 1996-56906	19960419
AU 699623	B2	19981210		
EP 821682	A1	19980204	EP 1996-914957	19960419
EP 821682	B1	20000719		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, LT, LV, FI				
CN 1182425	A	19980520	CN 1996-193421	19960419
CN 1089762	B	20020828		
RU 2136676	C1	19990910	RU 1997-119174	19960419
JP 11511734	T2	19991012	JP 1996-531484	19960419
JP 3171852	B2	20010604		
BR 9608056	A	19991130	BR 1996-8056	19960419
AT 194836	E	20000815	AT 1996-914957	19960419
ES 2150671	T3	20001201	ES 1996-914957	19960419
CZ 287538	B6	20001213	CZ 1997-3291	19960419
SK 282105	B6	20011106	SK 1997-1406	19960419
PL 184020	B1	20020830	PL 1996-322944	19960419
NO 9704843	A	19971215	NO 1997-4843	19971020
US 5922725	A	19990713	US 1997-945123	19971223
PRIORITY APPLN. INFO.:			DK 1995-460 A	19950421

L16 ANSWER 20 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)

DK 1995-741	A	19950627
EP 1996-914932	A3	19960417
WO 1996-EP1649	W	19960419

OTHER SOURCE(S): MARPAT 126:18875

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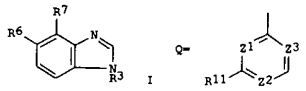

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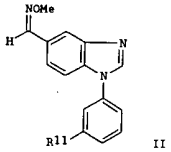


II

AB Title compds. [I; R3 = aryl group Q; 1 of R6,R7 = H and the other = CR:NOR1; R,R1 = H, alk(en)yl, alkynyl, Ph; R11 = Ph, benzimidazolyl, heteroaryl, etc.; Z1-Z3 = CH or 1 or 2 of Z1-Z3 = N and the other(s) = CH] were prepd. Thus, 4,3-Cl(O2N)C6H3CO2CHMe2 was aminated by 3-BrC6H4NH2 and the reduced product cyclocondensed with HCO2H to give, in 3 addnl. steps, title compd. II (R11 = Br) which was condensed with 2-(tributylstannyl)thiophene to give II (R11 = 2-thienyl). Data for biol activity of selected I were given.

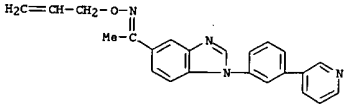
IT **184220-38-0P**

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (prepn. of benzimidazolylalkanone oximes as GABAA receptor modulators)

RN 184220-38-0 CAPLUS

CN Ethanone, 1-[1-[3-(3-pyridinyl)phenyl]-1H-benzimidazol-5-yl]-, O-2-propenyloxime (9CI) (CA INDEX NAME)

L16 ANSWER 20 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)



L16 ANSWER 21 OF 36 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1996:593685 CAPLUS

DOCUMENT NUMBER: 125:234439

TITLE: Photopolymerizable composition for printing plate preparation

INVENTOR(S): Kunita, Kazuto; Kondo, Syunichi

PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan

SOURCE: Eur. Pat. Appl., 94 pp.
CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 724197	A1	19960731	EP 1996-101075	19960125
EP 724197	B1	19991013		
R: DE, GB				
JP 08202035	A2	19960809	JP 1995-13108	19950130
US 5703140	A	19971230	US 1996-589992	19960123

PRIORITY APPLN. INFO.: JP 1995-13108 19950130

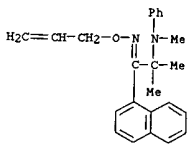
AB A photopolymerizable compn. for printing plate prepn. is disclosed, comprising at least (i) a compd. having an addn.-polymerizable ethylenically unsatd. bond and (ii) an oxime ether compd. The photopolymerizable compn. of the present invention shows high sensitivity to active light rays over a wide range of from UV ray to visible light and at the same time, the photosensitive material using the photopolymerizable compn. of the present invention is improved in the storage stability. Further, the development ppt. generated from the developer waste after development of the photosensitive material is restrained.

IT **181529-13-5**

RL: TEM (Technical or engineered material use); USES (Uses) (printing plate prepn. using photopolymerizable compns. contg.)

RN 181529-13-5 CAPLUS

CN 1-Propanone, 2-methyl-2-(methylphenylamino)-1-(1-naphthalenyl)-, O-2-propenyloxime (9CI) (CA INDEX NAME)



L16 ANSWER 22 OF 36 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1995:504909 CAPLUS

DOCUMENT NUMBER: 123:227763

TITLE: Photochemical studies on a new group of isoimides

AUTHOR(S): Thakur, A.; Rao, G. C.; Misra, B. N.; Srokova, I.

CORPORATE SOURCE: Dep. Chem., Himachai Pradesh Univ., Shimla, 171005, India

SOURCE: Chemical Papers (1994), 48(4), 248-52
CODEN: CHPAEG; ISSN: 0366-6352

PUBLISHER: Slovak Academy of Sciences, Institute of Chemistry

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Several stable isoimides were prepd. by acylation of O-benzyl-4-nitro-, O-(1-propyl)-, O-(1-propyl)-4-nitro-, O-benzyl-4-chloro-, and O-allyl-4-chlorobenzohydroxamic acids in pyridine which acted both as a solvent and a weak base. As acyl halides were used methanesulfonyl, 4-toluenesulfonyl, 4-methylbenzoyl, and 4-nitrobenzoyl chlorides. The resulting mixed anhydrides were characterized by chem. and spectroscopic methods. Thermal as well as photochem. rearrangement of the mixed anhydrides was attempted. Structure elucidation of the rearranged products was performed by spectroscopic methods.

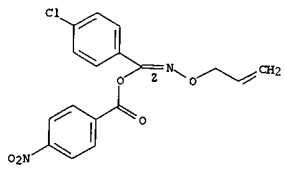
IT **168105-63-3P**

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (photochem. rearrangement of N-alkoxybenzamides)

RN 168105-63-3 CAPLUS

CN Benzoic acid, 4-nitro-, anhydride with 4-chloro-N-(2-propenyloxy)benzenecarboximidic acid, (Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



L16 ANSWER 23 OF 36 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1994:323576 CAPLUS
DOCUMENT NUMBER: 120:323576
TITLE: Heteroaromatic compounds and plant-protecting agents
containing them
INVENTOR(S): Mueller, Bernd; Sauter, Hubert; Wingert, Horst; Koenig, Hartmann; Roehl, Franz; Ammermann, Eberhard; Lorenz, Gisela
PATENT ASSIGNEE(S): BASF A.-G., Germany
SOURCE: Eur. Pat. Appl., 124 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 579071	A2	19940119	EP 1993-110679	19930705
EP 579071	A3	19970528		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, NL, PT, SE				
JP 06184096	A2	19940705	JP 1993-161424	19930630
JP 3217191	B2	20011009		
JP 2002053558	A2	20020219	JP 2001-144159	19930630
IL 106292	A1	19980816	IL 1993-106292	19930709
CA 2100308	AA	19940117	CA 1993-2100308	19930712
AU 9341937	A1	19940120	AU 1993-41937	19930715
AU 671457	B2	19960829		
ZA 9305108	A	19950116	ZA 1993-5108	19930715
HU 68645	A2	19950728	HU 1993-2034	19930715
HU 214281	B	19980302		
US 5663185	A	19970902	US 1995-407371	19950320
US 5672616	A	19970930	US 1996-720180	19960925
US 5736566	A	19980407	US 1997-888899	19970707
US 5817682	A	19981006	US 1997-949761	19971014
US 5962489	A	19991005	US 1998-141331	19980827

PRIORITY APPLN. INFO.: DE 1992-4223357 A 19920716
JP 1993-161424 A3 19930630
US 1993-91265 B3 19930715
US 1995-407371 B3 19950320
US 1995-500138 A3 19950710
US 1997-888899 A3 19970707
US 1997-949761 A3 19971014

OTHER SOURCE(S): MARPAT 120:323576
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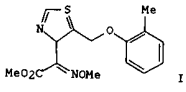
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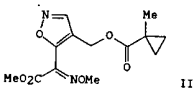
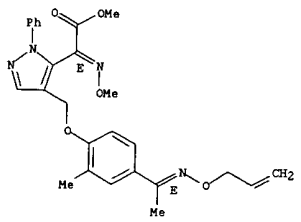

II

L16 ANSWER 23 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)

AB Heteroarom. compds. and plant-protecting agents contg. them are claimed.
Such more narrowly claimed compds. are 3-pyrazoleacetates, 3-oxazoleacetates, 4-isoxazoleacetates, etc. Example compds. are Me .alpha.-(hydroxyimino)-5-[(2-methylphenoxy)methyl]-4-thiazoleacetate (I)
or Me 4-[(2-cyclopropyl-1-oxopropoxy)methyl]-.alpha.-(methoxyimino)-5-isoxazoleacetate (II).
IT **155298-26-3P 155298-66-1P 155298-67-2P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, as plant-protecting agent fungicide)
RN 155298-26-3 CAPLUS
CN 1H-Pyrazole-5-acetic acid, .alpha.-(methoxyimino)-4-[[2-methyl-4-[1-[(2-propenyloxy)imino]ethyl]phenoxy]methyl]-1-phenyl-, methyl ester, (E,E)-
(9CI) (CA INDEX NAME)

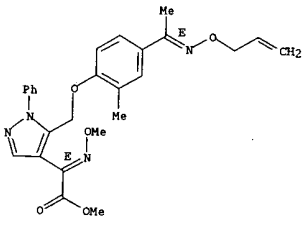
Double bond geometry as shown.



RN 155298-66-1 CAPLUS
CN 1H-Pyrazole-4-acetic acid, .alpha.-(methoxyimino)-5-[[2-methyl-4-[1-[(2-propenyloxy)imino]ethyl]phenoxy]methyl]-1-phenyl-, methyl ester, (E,E)-
(9CI) (CA INDEX NAME)

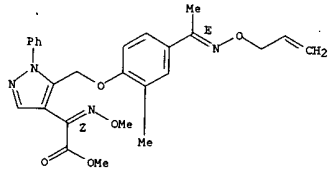
Double bond geometry as shown.

L16 ANSWER 23 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)



RN 155298-67-2 CAPLUS
CN 1H-Pyrazole-4-acetic acid, .alpha.-(methoxyimino)-5-[[2-methyl-4-[1-[(2-propenyloxy)imino]ethyl]phenoxy]methyl]-1-phenyl-, methyl ester, (E,Z)-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.



L16 ANSWER 24 OF 36 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1994:106561 CAPLUS
DOCUMENT NUMBER: 120:106561
TITLE: Preparation of carbamates and plant-protecting agents
containing them
INVENTOR(S): Mueller, Bernd; Sauter, Hubert; Roehl, Franz; Doetzer, Reinhard; Lorenz, Gisela; Ammermann, Eberhard
PATENT ASSIGNEE(S): BASF A.-G., Germany
SOURCE: PCT Int. Appl., 764 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9315046	A1	19930805	WO 1993-EP104	19930118
W: AT, AU, BG, BR, CA, CH, DE, DK, ES, FI, GB, HU, JP, KP, KR, LK, LU, MG, MN, MW, NL, NO, PL, RO, RU				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, SN, TD, TG				
DE 4234012	A1	19940414	DE 1992-4234012	19921009
DE 4234028	A1	19940414	DE 1992-4234028	19921009
DE 4234067	A1	19940414	DE 1992-4234067	19921009
DE 4234081	A1	19940414	DE 1992-4234081	19921009
AU 9333514	A1	19930901	AU 1993-33514	19930118
AU 671974	B2	19960919		
EP 624155	A1	19941117	EP 1993-902227	19930118
EP 624155	B1	19980506		
EP 624155	B2	20021211		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, NL, PT, SE				
JP 07502747	T2	19950323	JP 1993-512897	19930118
HU 69026	A2	19950828	HU 1994-1961	19930118
HU 217905	B	20000528		
BR 9305817	A	19951226	BR 1993-5817	19930118
AT 165818	E	19980515	AT 1993-902227	19930118
ES 2116436	T3	19980716	ES 1993-902227	19930118
RU 2129118	C1	19990420	RU 1994-45970	19930118
CZ 288922	B6	20010912	CZ 1994-1785	19930118
IL 104489	A1	20020421	IL 1993-104489	19930122
ZA 9300604	A	19940728	ZA 1993-604	19930128
FI 9403523	A	19940727	FI 1994-3523	19940727
NO 9402814	A	19940728	NO 1994-2814	19940728
US 5824705	A	19981020	US 1994-256628	19940729
AU 9652465	A1	19960725	AU 1996-52465	19960523
AU 680592	B2	19970731		
US 5981532	A	19991109	US 1998-110884	19980707
US 6075148	A	20000613	US 1999-275767	19990325
US 6252083	B1	20010626	US 2000-527118	20000316

PRIORITY APPLN. INFO.: DE 1992-4202386 A 19920129
DE 1992-4221007 A 19920626
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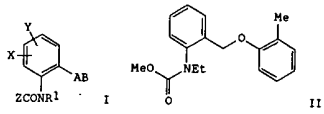
DE 1992-4234028 A 19921009
DE 1992-4234067 A 19921009
DE 1992-4234081 A 19921009
WO 1993-EP104 A 19930118
US 1994-256628 A1 19940729
US 1998-110884 A3 19980707
US 1999-275767 A3 19990325

OTHER SOURCE(S): MARPAT 120:106561

GI

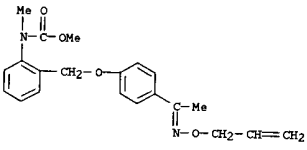


I II

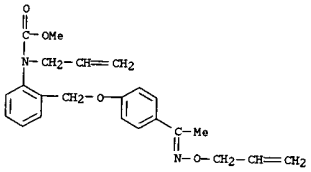
AB Title compds. [I; Z = MeO, NH2, NHMe, NMe2, Me, Et, CF3, CCl3; X, Y = H, F, Cl, Br, cyano, NO2, alkoxy, alkenyloxy, alkynyloxy, alkyl, alkenyl, alkynyl; XY = atoms to form a (substituted) (hetero)arom., alicyclic, heterocyclic, partially or fully hydrogenated ring; R1 = H, (substituted) alkyl, alkenyl, alkynyl, cyclopropyl, cyclopropylmethyl, cyclobutyl, CH2CN, CH2OMe, CO2Me, alkoxy, alkenyloxy, alkynyloxy, etc.; A = O, S, CR2:NO, C.tplbond.C, CHR2O2C, OCHR2, bond, etc.; R2 = H, alkyl, alkenyl, alkynyl, cycloalkyl; B = H, cycloalkyl, cycloalkenyl, cycloalkynyl, aryl, heteroaryl, heterocyclyl, arylalkyl, etc.], were prepd. Thus, o-toluidine was stirred with ClCO2Me in CH2Cl2 to give 100% 2-MeC6H4NHCO2Me, which in DMF was treated with NaH and EtI to give 93% 2-MeC6H4NEtCO2Me. This was irradiated with NBS and azobisisobutyronitrile in CCl4 using a 300 W UV lamp to give 2-BrCH2C6H4NEtCO2Me. This was stirred with p-cresol and NaH in DMF to give title compd. II. Numerous I as 25 ppm sprays gave 95% control of Erysiphe graminis on wheat.

IT **151826-40-3P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

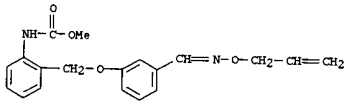
RN 151826-40-3 CAPLUS
CN Carbamic acid, [2-chloro-6-[[2,5-dimethyl-4-[1-[(2-propenyloxy)imino]ethyl]phenoxy]methyl]phenyl]methoxy-, methyl ester (9CI)
(CA INDEX NAME)



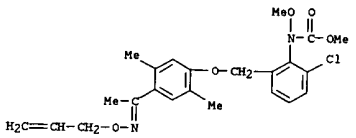
RN 151826-90-3 CAPLUS
CN Carbamic acid,
2-propenyl[2-[[4-[1-[(2-propenyloxy)imino]ethyl]phenoxy]methyl]phenyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 151826-91-4 CAPLUS
CN Carbamic acid,
[2-[[3-[[(2-propenyloxy)imino]methyl]phenoxy]methyl]phenyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 151826-92-5 CAPLUS
CN Carbamic acid,
methyl[2-[[4-[[(2-propenyloxy)imino]methyl]phenoxy]methyl]phenyl]-, methyl ester (9CI) (CA INDEX NAME)



IT **151826-88-9P 151826-89-0P 151826-90-3P**
151826-91-4P 151826-92-5P 151826-93-6P
151826-94-7P 151826-95-8P 151826-96-9P
151826-97-0P 151826-98-1P 151826-99-2P
151827-00-8P 151827-01-9P 151827-02-0P
151827-03-1P 151827-04-2P 151827-05-3P
151827-06-4P 151827-07-5P 151827-08-6P
151827-17-7P 151827-26-8P 151827-27-9P
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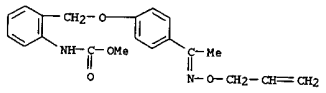
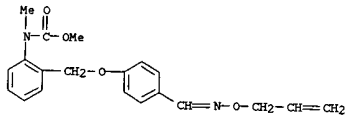
151828-77-2P 151829-05-9P 151829-06-0P
151829-07-1P 151829-08-2P 151829-09-3P
151829-10-6P 151830-10-3P 151830-11-4P
151830-12-5P 151830-13-6P
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of, as agrochem. fungicide)

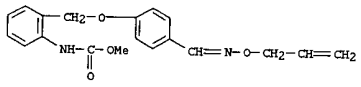
RN 151826-88-9 CAPLUS
CN Carbamic acid,
[2-[[4-[1-[(2-propenyloxy)imino]ethyl]phenoxy]methyl]phenyl]-, methyl ester (9CI) (CA INDEX NAME)



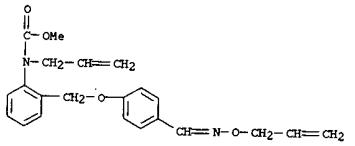
RN 151826-89-0 CAPLUS
CN Carbamic acid,
methyl[2-[[4-[1-[(2-propenyloxy)imino]ethyl]phenoxy]methyl]phenyl]-, methyl ester (9CI) (CA INDEX NAME)



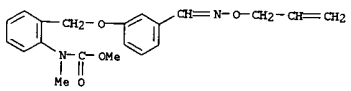
RN 151826-93-6 CAPLUS
CN Carbamic acid,
[2-[[4-[[(2-propenyloxy)imino]methyl]phenoxy]methyl]phenyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 151826-94-7 CAPLUS
CN Carbamic acid,
2-propenyl[2-[[4-[[(2-propenyloxy)imino]methyl]phenoxy]methyl]phenyl]-, methyl ester (9CI) (CA INDEX NAME)

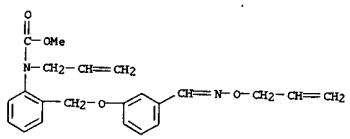


RN 151826-95-8 CAPLUS
CN Carbamic acid,
methyl[2-[[3-[[(2-propenyloxy)imino]methyl]phenoxy]methyl]phenyl]-, methyl ester (9CI) (CA INDEX NAME)

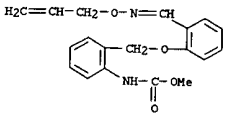


L16 ANSWER 24 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)

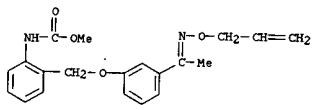
RN 151826-96-9 CAPLUS
CN Carbamic acid,
2-propenyl[2-[[3-[[(2-propenyloxy)imino]methyl]phenoxy]meth
yl]phenyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 151826-97-0 CAPLUS
CN Carbamic acid,
[2-[[2-[[(2-propenyloxy)imino]methyl]phenoxy]methyl]phenyl]-
, methyl ester (9CI) (CA INDEX NAME)

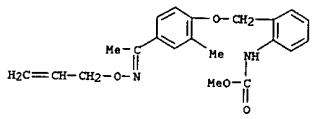


RN 151826-98-1 CAPLUS
CN Carbamic acid,
[2-[[3-[1-[(2-propenyloxy)imino]ethyl]phenoxy]methyl]phenyl
]-, methyl ester (9CI) (CA INDEX NAME)

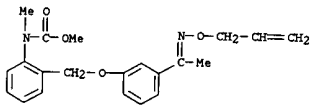


RN 151826-99-2 CAPLUS
CN Carbamic acid,
[2-[[2-methyl-4-[1-[(2-propenyloxy)imino]ethyl]phenoxy]meth
yl]phenyl]-, methyl ester (9CI) (CA INDEX NAME)

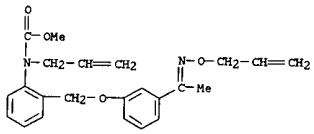
L16 ANSWER 24 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)



RN 151827-00-8 CAPLUS
CN Carbamic acid,
methyl[2-[[3-[1-[(2-propenyloxy)imino]ethyl]phenoxy]methyl]
phenyl]-, methyl ester (9CI) (CA INDEX NAME)

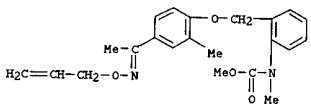


RN 151827-01-9 CAPLUS
CN Carbamic acid,
2-propenyl[2-[[3-[1-[(2-propenyloxy)imino]ethyl]phenoxy]met
hyl]phenyl]-, methyl ester (9CI) (CA INDEX NAME)

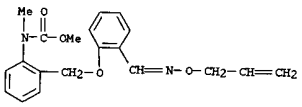


RN 151827-02-0 CAPLUS
CN Carbamic acid,
methyl[2-[[2-methyl-4-[1-[(2-propenyloxy)imino]ethyl]phenox
y]methyl]phenyl]-, methyl ester (9CI) (CA INDEX NAME)

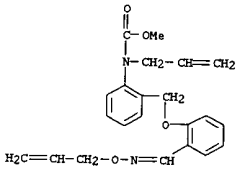
L16 ANSWER 24 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)



RN 151827-03-1 CAPLUS
CN Carbamic acid,
methyl[2-[[2-[[(2-propenyloxy)imino]methyl]phenoxy]methyl]p
henyl]-, methyl ester (9CI) (CA INDEX NAME)

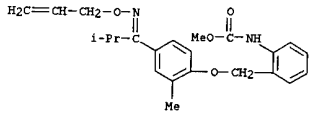


RN 151827-04-2 CAPLUS
CN Carbamic acid,
2-propenyl[2-[[2-[[(2-propenyloxy)imino]methyl]phenoxy]meth
yl]phenyl]-, methyl ester (9CI) (CA INDEX NAME)

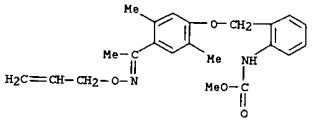


RN 151827-05-3 CAPLUS
CN Carbamic acid, [2-[[2-methyl-4-[2-methyl-1-[(2-
propenyloxy)imino]propyl]phenoxy]methyl]phenyl]-, methyl ester (9CI)
(CA
INDEX NAME)

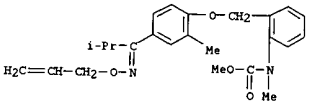
L16 ANSWER 24 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)



RN 151827-06-4 CAPLUS
CN Carbamic acid,
[2-[[2,5-dimethyl-4-[1-[(2-propenyloxy)imino]ethyl]phenoxy]
methyl]phenyl]-, methyl ester (9CI) (CA INDEX NAME)

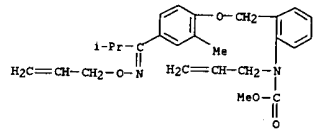


RN 151827-07-5 CAPLUS
CN Carbamic acid, methyl[2-[[2-methyl-4-[2-methyl-1-[(2-
propenyloxy)imino]propyl]phenoxy]methyl]phenyl]-, methyl ester (9CI)
(CA
INDEX NAME)

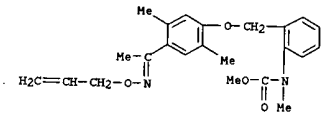


RN 151827-08-6 CAPLUS
CN Carbamic acid, [2-[[2-methyl-4-[2-methyl-1-[(2-
propenyloxy)imino]propyl]phenoxy]methyl]phenyl]-2-propenyl-, methyl
ester
(9CI) (CA INDEX NAME)

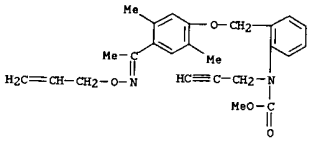
L16 ANSWER 24 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)



RN 151827-17-7 CAPLUS
CN Carbamic acid,
[2-[[2,5-dimethyl-4-[1-[(2-propenyloxy)imino]ethyl]phenoxy]
methyl]phenyl]methyl-, methyl ester (9CI) (CA INDEX NAME)

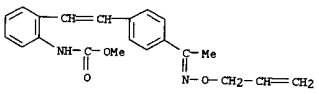


RN 151827-26-8 CAPLUS
CN Carbamic acid,
[2-[[2,5-dimethyl-4-[1-[(2-propenyloxy)imino]ethyl]phenoxy]
methyl]phenyl]-2-propynyl-, methyl ester (9CI) (CA INDEX NAME)

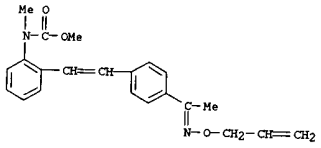


RN 151827-27-9 CAPLUS
CN Carbamic acid,
[2-[[2,5-dimethyl-4-[1-[(2-propenyloxy)imino]ethyl]phenoxy]
methyl]phenyl]-2-propenyl-, methyl ester (9CI) (CA INDEX NAME)

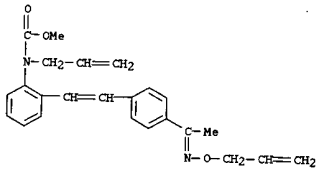
L16 ANSWER 24 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)



RN 151827-49-5 CAPLUS
CN Carbamic acid,
methyl[2-[2-[4-[1-[(2-propenyloxy)imino]ethyl]phenyl]etheny
l]phenyl]-, methyl ester (9CI) (CA INDEX NAME)

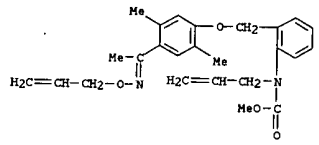


RN 151827-50-8 CAPLUS
CN Carbamic acid,
2-propenyl[2-[2-[4-[1-[(2-propenyloxy)imino]ethyl]phenyl]et
henyl]phenyl]-, methyl ester (9CI) (CA INDEX NAME)

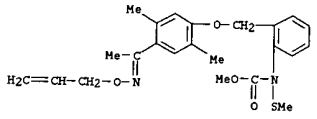


RN 151827-51-9 CAPLUS
CN Carbamic acid,
[2-[2-[4-[1-[(2-propenyloxy)imino]ethyl]phenyl]ethenyl]phen
yl]-2-propynyl-, methyl ester (9CI) (CA INDEX NAME)

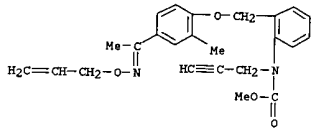
L16 ANSWER 24 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)



RN 151827-28-0 CAPLUS
CN Carbamic acid,
[2-[[2,5-dimethyl-4-[1-[(2-propenyloxy)imino]ethyl]phenoxy]
methyl]phenyl](methylthio)-, methyl ester (9CI) (CA INDEX NAME)

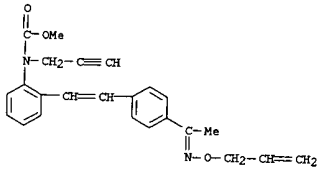


RN 151827-30-4 CAPLUS
CN Carbamic acid,
[2-[[2-methyl-4-[1-[(2-propenyloxy)imino]ethyl]phenoxy]meth
yl]phenyl]-2-propynyl-, methyl ester (9CI) (CA INDEX NAME)

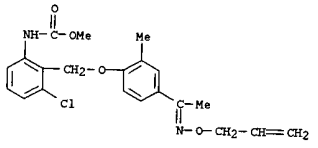


RN 151827-48-4 CAPLUS
CN Carbamic acid,
[2-[2-[4-[1-[(2-propenyloxy)imino]ethyl]phenyl]ethenyl]phen
yl]-, methyl ester (9CI) (CA INDEX NAME)

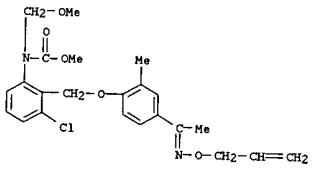
L16 ANSWER 24 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)



RN 151827-74-6 CAPLUS
CN Carbamic acid, [3-chloro-2-[[2-methyl-4-[1-[(2-
propenyloxy)imino]ethyl]phenoxy]methyl]phenyl]-, methyl ester (9CI)
(CA
INDEX NAME)

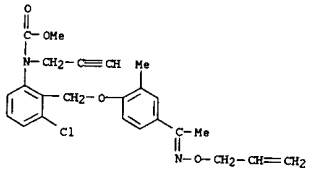


RN 151827-75-7 CAPLUS
CN Carbamic acid, [3-chloro-2-[[2-methyl-4-[1-[(2-
propenyloxy)imino]ethyl]phenoxy]methyl]phenyl](methoxymethyl)-, methyl
ester (9CI) (CA INDEX NAME)

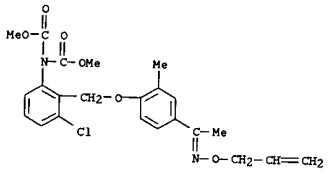


RN 151827-76-8 CAPLUS
CN Carbamic acid, [3-chloro-2-[[2-methyl-4-[1-[(2-
propenyloxy)imino]ethyl]phenoxy]methyl]phenyl]-2-propynyl-, methyl
ester

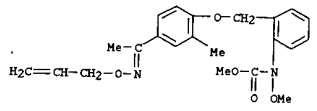
L16 ANSWER 24 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)
(9CI) (CA INDEX NAME)



RN 151827-77-9 CAPLUS
CN Imidodicarbonic acid, [3-chloro-2-[[2-methyl-4-[1-[(2-propenyloxy)imino]ethyl]phenoxy]methyl]phenyl]-, dimethyl ester (9CI) (CA INDEX NAME)



RN 151827-92-8 CAPLUS
CN Carbamic acid, methoxy[2-[[2-methyl-4-[1-[(2-propenyloxy)imino]ethyl]phenoxy]methyl]phenyl]-, methyl ester (9CI) (CA INDEX NAME)

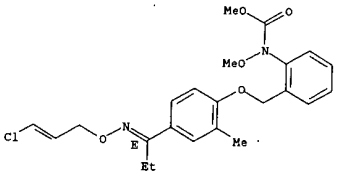


RN 151828-29-4 CAPLUS
CN Carbamic acid, [2-[[4-[1-[[(3-chloro-2-propenyl)oxy]imino]ethyl]-2-methylphenoxy]methyl]phenyl]methoxy-, methyl ester, (?,E)- (9CI) (CA

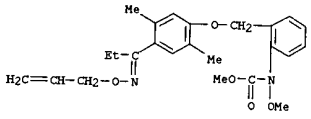
L16 ANSWER 24 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)

RN 151828-36-3 CAPLUS
CN Carbamic acid, [2-[[4-[1-[[(3-chloro-2-propenyl)oxy]imino]propyl]-2-methylphenoxy]methyl]phenyl]methoxy-, methyl ester, (?,E)- (9CI) (CA INDEX NAME)

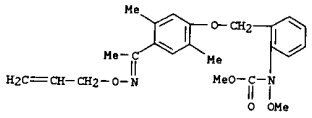
Double bond geometry as described by E or Z.



RN 151828-39-6 CAPLUS
CN Carbamic acid, [2-[[2,5-dimethyl-4-[1-[(2-propenyloxy)imino]propyl]phenoxy]methyl]phenyl]methoxy-, methyl ester (9CI) (CA INDEX NAME)



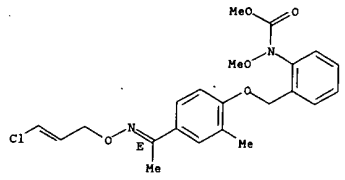
RN 151828-45-4 CAPLUS
CN Carbamic acid, [2-[[2,5-dimethyl-4-[1-[(2-propenyloxy)imino]ethyl]phenoxy]methyl]phenyl]methoxy-, methyl ester (9CI) (CA INDEX NAME)



RN 151828-46-5 CAPLUS

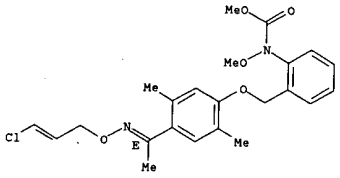
L16 ANSWER 24 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)
INDEX NAME)

Double bond geometry as described by E or Z.

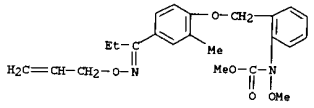


RN 151828-32-9 CAPLUS
CN Carbamic acid, [2-[[4-[1-[[(3-chloro-2-propenyl)oxy]imino]ethyl]-2,5-dimethylphenoxy]methyl]phenyl]methoxy-, methyl ester, (?,E)- (9CI) (CA INDEX NAME)

Double bond geometry as described by E or Z.

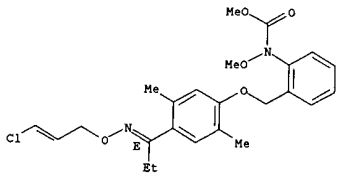


RN 151828-35-2 CAPLUS
CN Carbamic acid, methoxy[2-[[2-methyl-4-[1-[(2-propenyloxy)imino]propyl]phenoxy]methyl]phenyl]-, methyl ester (9CI) (CA INDEX NAME)

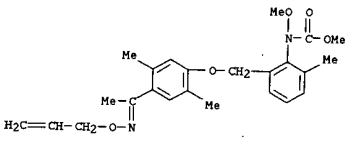


L16 ANSWER 24 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)
CN Carbamic acid, [2-[[4-[1-[[(3-chloro-2-propenyl)oxy]imino]propyl]-2,5-dimethylphenoxy]methyl]phenyl]methoxy-, methyl ester, (?,E)- (9CI) (CA INDEX NAME)

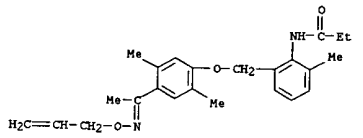
Double bond geometry as described by E or Z.



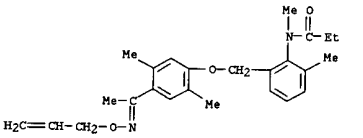
RN 151828-77-2 CAPLUS
CN Carbamic acid, [2-[[2,5-dimethyl-4-[1-[(2-propenyloxy)imino]ethyl]phenoxy]methyl]-6-methylphenyl]methoxy-, methyl ester (9CI) (CA INDEX NAME)



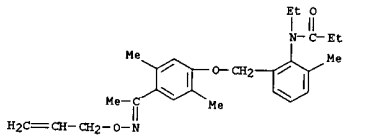
RN 151829-05-9 CAPLUS
CN Propanamide, N-[2-[[2,5-dimethyl-4-[1-[(2-propenyloxy)imino]ethyl]phenoxy]methyl]-6-methylphenyl]- (9CI) (CA INDEX NAME)



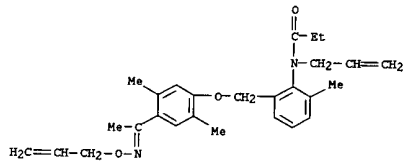
RN 151829-06-0 CAPLUS
CN Propanamide,
N-[2-[[2,5-dimethyl-4-[1-[(2-propenyloxy)imino]ethyl]phenoxy]methyl]-6-methylphenyl]-N-methyl- (9CI) (CA INDEX NAME)



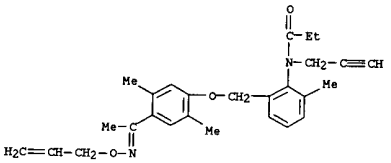
RN 151829-07-1 CAPLUS
CN Propanamide,
N-[2-[[2,5-dimethyl-4-[1-[(2-propenyloxy)imino]ethyl]phenoxy]methyl]-6-methylphenyl]-N-ethyl- (9CI) (CA INDEX NAME)



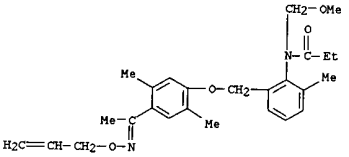
RN 151829-08-2 CAPLUS
CN Propanamide,
N-[2-[[2,5-dimethyl-4-[1-[(2-propenyloxy)imino]ethyl]phenoxy]methyl]-6-methylphenyl]-N-2-propenyl- (9CI) (CA INDEX NAME)



RN 151829-09-3 CAPLUS
CN Propanamide,
N-[2-[[2,5-dimethyl-4-[1-[(2-propenyloxy)imino]ethyl]phenoxy]methyl]-6-methylphenyl]-N-2-propynyl- (9CI) (CA INDEX NAME)

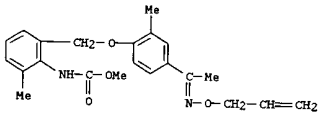


RN 151829-10-6 CAPLUS
CN Propanamide,
N-[2-[[2,5-dimethyl-4-[1-[(2-propenyloxy)imino]ethyl]phenoxy]methyl]-6-methylphenyl]-N-(methoxymethyl)- (9CI) (CA INDEX NAME)

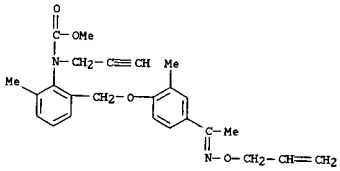


RN 151830-10-3 CAPLUS
CN Carbamic acid, [2-methyl-6-[[2-methyl-4-[1-[(2-

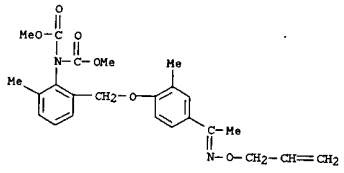
propenyloxy)imino]ethyl]phenoxy]methyl]phenyl]-, methyl ester (9CI) (CA
INDEX NAME)



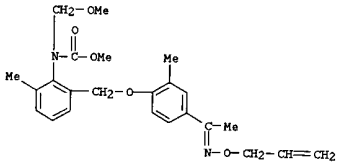
RN 151830-11-4 CAPLUS
CN Carbamic acid, [2-methyl-6-[[2-methyl-4-[1-[(2-propenyloxy)imino]ethyl]phenoxy]methyl]phenyl]-2-propynyl-, methyl ester
(9CI) (CA INDEX NAME)



RN 151830-12-5 CAPLUS
CN Imidodicarbonic acid, [2-methyl-6-[[2-methyl-4-[1-[(2-propenyloxy)imino]ethyl]phenoxy]methyl]phenyl]-, dimethyl ester
(9CI) (CA INDEX NAME)



RN 151830-13-6 CAPLUS
CN Carbamic acid, (methoxymethyl)[2-methyl-6-[[2-methyl-4-[1-[(2-propenyloxy)imino]ethyl]phenoxy]methyl]phenyl]-, methyl ester (9CI)
(CA INDEX NAME)



L16 ANSWER 25 OF 36 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1993:575873 CAPLUS
DOCUMENT NUMBER: 119:175873
TITLE: Preparation of isonicotinanilides as agrochemical fungicides.
INVENTOR(S): Shigematsu, Masahiro; Yonekura, Norihisa; Sakai, Mitsuyoshi; Nada, Akiko; Hasegawa, Keisuke; Hayashi, Shigeru
PATENT ASSIGNEE(S): Kumiai Chemical Industry Co, Japan; Ihara Chemical Ind Co
SOURCE: Jpn. Kokai Tokkyo Koho, 13 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 05194400	A2	19930803	JP 1992-262727	19920907
WO 9501339	A1	19950112	WO 1993-JP915	19930702

W: BR, KR, RU, US
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

PRIORITY APPLN. INFO.: JP 1991-297821 19910920
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OTHER SOURCE(S): MARPAT 119:175873
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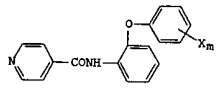
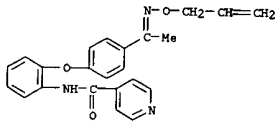


I

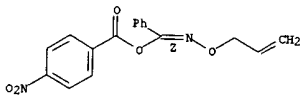
AB Agrochem. fungicides contain isonicotinanilides I [X = halo, C1-5 (halo)alkyl, C1-4 (halo)alkoxy, OH, benzyloxy, cyano, acyl, hydroxyiminoalkyl, alkoxyiminoalkyl, alkenyloxyiminoalkyl, alkoxycarbonyl, phenoxycarbonyl, CF3S, Ph; n = 1-5] as active ingredients. Amidation of 2-(4-tert-butylphenoxy)aniline with isonicotinic acid chloride-HCl in CHCl3 and pyridine at room temp. for 5 h gave 72% I (Xn = 4-CMe3), which, at 500 ppm, showed 100% fungicidal activity against Sphaerotheca fuliginea. I (Xn = 2-Cl) 2, diatomaceous earth 5, and clay 93% were mixed to give a powder.
IT **150360-94-4P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except

L16 ANSWER 25 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)
adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of, as agrochem. fungicide)
RN 150360-94-4 CAPLUS
CN 4-Pyridinecarboxamide, N-[2-[4-[1-[(2-propenyloxy)imino]ethyl]phenoxy]phenyl]- (9CI) (CA INDEX NAME)



L16 ANSWER 26 OF 36 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1992:58906 CAPLUS
DOCUMENT NUMBER: 116:58906
TITLE: Preparation and characterization of mixed anhydrides of O-allylbenzohydroximic acid
AUTHOR(S): Sharma, Kusum; Misra, B. N.; Srokova, I.
CORPORATE SOURCE: Dep. Chem., Himachal Pradesh Univ., Shimla, 171005, India
SOURCE: Chemical Papers (1991), 45(5), 643-9
CODEN: CHPAEG; ISSN: 0366-6352
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 116:58906
AB Acylation of O-allylbenzohydroxamic acid (I) gave mixed anhydrides of of O-allylbenzohydroximic acid. Attempts to rearrange several of the mixed anhydrides thus obtained were not successful. Treatment of I with 4-O2NC6H4COCl gave (Z)-PhC[OC(O)C6H4NO2-4]:NOCH2CH:CH2 in 59% yield.
IT **138566-39-9P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. and hydrolysis and attempted rearrangement of)
RN 138566-39-9 CAPLUS
CN Benzoic acid, 4-nitro-, anhydride with N-(2-propenyloxy)benzenecarboximidic acid, (Z)- (9CI) (CA INDEX NAME)

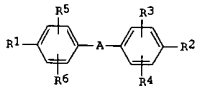
Double bond geometry as shown.



L16 ANSWER 27 OF 36 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1991:514130 CAPLUS
DOCUMENT NUMBER: 115:114130
TITLE: Preparation of biphenyl compounds as drugs
PATENT ASSIGNEE(S): Fujisawa Pharmaceutical Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 68 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 03056431	A2	19910312	JP 1990-167430	19900625

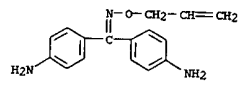
PRIORITY APPLN. INFO.: GB 1989-14660 19890626
OTHER SOURCE(S): MARPAT 115:114130
GI



I

AB Biphenyl compds. [I; A = CH(OH), CH2, CO, COCH(OH), COCO, CONH, O, S, SO, etc.; R1 = halo, NH2, protected NH2, hydrazino, etc.; R2 = halo, (alkyl)amino, protected NH2, hydrazino, etc.; R3 = H, alkyl, halo, cyano, etc.; R4 = H, alkyl; R5, R6 = H, alkyl, halo], useful as analgesics, antiinflammatory agents, etc., are prepd. Stirring a mixt. of (4-H2NC6H4)2CO and MeONH2.HCl in MeOH at room temp. gave 77.0% (4-H2NC6H4)C:NOMe, which reduced carageenan-induced edema by 50% at 100 mg/kg orally in rats and controlled nephritis by 83% at 100 mg/kg orally in mice. Also prepd. and tested as analgesics, antirheumatics, and blood platelet promoters were 101 addnl. I.
IT **135209-49-3P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(prepn. of, as drug)
RN 135209-49-3 CAPLUS
CN Methanone, bis(4-aminophenyl)-, O-2-propenyloxime (9CI) (CA INDEX NAME)

L16 ANSWER 27 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)

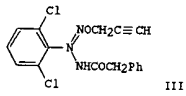


L16 ANSWER 28 OF 36 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1991:6034 CAPLUS
DOCUMENT NUMBER: 114:6034
TITLE: Preparation of N-hydroxyamidines as acaricides and agricultural and horticultural fungicides
INVENTOR(S): Kishimoto, Takashi; Hayakawa, Koichi; Nakayama, Akira; Yamada, Tomio; Takahashi, Eiko; Hashimoto, Akira; Sano, Shinsuke; Hosokawa, Hiroyasu
PATENT ASSIGNEE(S): Nippon Soda Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 29 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 02006453	A2	19900110	JP 1988-158393	19880627

PRIORITY APPLN. INFO.: JP 1988-158393 19880627
OTHER SOURCE(S): MARPAT 114:6034
GI

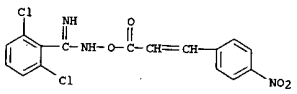


III

AB Amidines R1[R5(R2O)N]C:NR3 (I) and R1(R3R4N)C:NOR2 II [R1 = H, (un)substituted Ph, alkyl optionally substituted by (un)substituted Ph, naphthyl, alkylthio, aralkylthio, (un)substituted NH2, cyclic amino, (un)substituted heterocyclyl; R2 = H, (un)substituted alkyl, alkenyl, alkynyl, XR6, X = CO, CONH, CO2, COCO; R6 = alkyl, (un)substituted alkenyl, Ph, or aralkyl, P(:Y)(OR7)2, Y = O, S, R7 = alkyl; R3 = H, (un)substituted alkyl, alkynyl, ZR8; Z = CO, CS, CO2, COCO, CONH, SO2, O2C; R8 = (un)substituted alkyl, alkenyl, or aralkyl, piperidino; R4 = H, alkyl; R5 = alkyl, aralkyl, (un)substituted aralkylcarbonyl] are prepd., e.g. by reaction of R1C(X):NOR2 (X = halo) with HNR3R4. Thus, PhCH2COCl was added to a soln. of 2,6-C12C6H3C(NH2):NOCH2C.tplbond.CH in benzene and the mixt. was refluxed overnight to give a benzamidine III. A total of 574 II were prepd. and 18 II at 125 ppm completely controlled Tetranychus urticae and III and 46 others at 200 ppm controlled 77-100% Erysiphe graminis.
IT **129860-31-7P**

L16 ANSWER 28 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of, as acaricide and agrochem. fungicide)
RN 129860-31-7 CAPLUS
CN Benzenecarboximidamide, 2,6-dichloro-N-[[3-(4-nitrophenyl)-1-oxo-2-propenyl]oxy]- (9CI) (CA INDEX NAME)

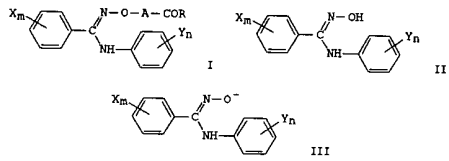


L16 ANSWER 29 OF 36 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1990:188007 CAPLUS
DOCUMENT NUMBER: 112:188007
TITLE: Electrochemical manufacture of benzenecarboxyimidamide derivative
INVENTOR(S): Oyama, Hiroshi; Umeda, Ten
PATENT ASSIGNEE(S): Hokko Chemical Industry Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 18 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 01215994	A2	19890829	JP 1988-39631	19880224

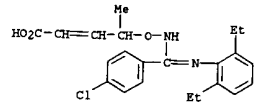
PRIORITY APPLN. INFO.: JP 1988-39631 19880224
OTHER SOURCE(S): MARPAT 112:188007
GI



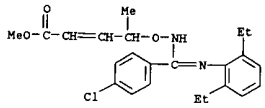
I II III

AB A method for manufg. I (X1 = halo, lower alkyl, lower haloalkyl, lower alkoxy, nitro, lower alkyl thio, lower alkylsulfinyl, lower alkylsulfonyl; lower m,n = 0-3; A = (un)substituted methylene, ethylene, polymethylene, alkenylene; R = ZR1, NR2R3; R1 = H, lower alkyl, lower alkenyl, lower alkynyl, C3-6 cycloalkyl, alkoxyalkyl, alkoxycarbonylalkyl, Ph, benzyl, cation; Z = O, S; R2,3 = H, lower alkyl, lower alkenyl, lower alkynyl, C3-6 cycloalkyl, lower alkoxy, Ph, benzyl; R2 and R3 may form a heterocyclic ring) involves an electrochem. reaction in a cathode chamber contg. II and BACOR (X, Y, A, and R being some as above, and B = halo, alkylsulfonyloxy, arylsulfonyloxy) or forming II (X, Y being some as above) in the cathode chamber followed by the reaction with BACOR (A, B, and R being same as above). The benzenecarboxyimidamide is useful as a fungicide.
IT **122513-22-8P 122513-23-9P 122513-24-0P**

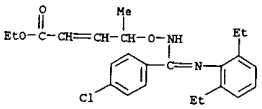
L16 ANSWER 29 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)
122513-25-1P 122513-26-2P 122513-37-5P
123458-34-4P
RL: IMF (Industrial manufacture); PREP (Preparation)
(manufg. of, electrochem.)
RN 122513-22-8 CAPLUS
CN 2-Pentenoic acid,
4-[[[(4-chlorophenyl)[(2,6-diethylphenyl)amino]methylene
]amino]oxy]- (9CI) (CA INDEX NAME)



RN 122513-23-9 CAPLUS
CN 2-Pentenoic acid,
4-[[[(4-chlorophenyl)[(2,6-diethylphenyl)amino]methylene
]amino]oxy]-, methyl ester (9CI) (CA INDEX NAME)

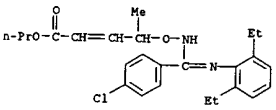


RN 122513-24-0 CAPLUS
CN 2-Pentenoic acid,
4-[[[(4-chlorophenyl)[(2,6-diethylphenyl)amino]methylene
]amino]oxy]-, ethyl ester (9CI) (CA INDEX NAME)

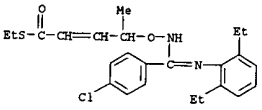


RN 122513-25-1 CAPLUS
CN 2-Pentenoic acid,
4-[[[(4-chlorophenyl)[(2,6-diethylphenyl)amino]methylene
]amino]oxy]-, propyl ester (9CI) (CA INDEX NAME)

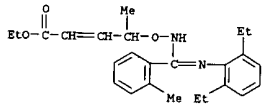
L16 ANSWER 29 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)



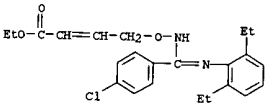
RN 122513-26-2 CAPLUS
CN 2-Pentenethioic acid, 4-[[[(4-chlorophenyl)[(2,6-
diethylphenyl)amino]methylene]amino]oxy]-, S-ethyl ester (9CI) (CA
INDEX
NAME)



RN 122513-37-5 CAPLUS
CN 2-Pentenoic acid, 4-[[[[(2,6-diethylphenyl)amino](2-
methylphenyl)methylene]amino]oxy]-, ethyl ester (9CI) (CA INDEX NAME)



RN 123458-34-4 CAPLUS
CN 2-Butenoic acid,
4-[[[(4-chlorophenyl)[(2,6-diethylphenyl)amino]methylene]
amino]oxy]-, ethyl ester (9CI) (CA INDEX NAME)

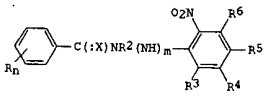


L16 ANSWER 29 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)

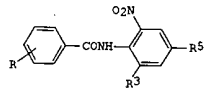
L16 ANSWER 30 OF 36 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1990:76626 CAPLUS
DOCUMENT NUMBER: 112:76626
TITLE: Preparation of substituted benzanilides and
analogs as
pesticides
INVENTOR(S): Kern, Manfred; Knauf, Werner; Matterstock, Karl;
Sachse, Burkhard; Schmidt, Ernst; Schuck, Ernst;
Waltersdorfer, Anna; Wicke, Heinrich
PATENT ASSIGNEE(S): Hoechst A.-G., Fed. Rep. Ger.
SOURCE: Ger. Offen., 18 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3802175	A1	19890803	DE 1988-3802175	19880126
EP 325983	A2	19890802	EP 1989-100672	19890117
R: CH, DE, ES, FR, GB, IT, LI				
BR 8900301	A	19890919	BR 1989-301	19890125
JP 02001441	A2	19900105	JP 1989-14237	19890125
CN 1037143	A	19891115	CN 1989-100451	19890126

PRIORITY APPLN. INFO.: DE 1988-3802175 19880126
OTHER SOURCE(S): MARPAT 112:76626
GI



I



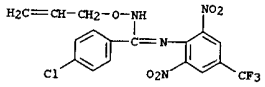
II

AB The title compds. (I; X = O, S, R1ON; R = H, halo, cyano, NO2, etc.; R1 =
H, C1-4 alkyl, C2-4 alkenyl, etc.; R2 = H, C1-4 alkyl, SCCl3; R3,R5 = NO2,
halo, cyano, CO2H, etc.; R4 = H, halo; R6 = H, halo, C1-4 alkoxy, PhO; m =
0, 1; n = 0-5) were prepd. Thus, 2-(AcO)C6H4CONH2 was stirred 2 h at
0.degree. and 12 h at room temp. with 2-chloro-3,5-dinitrobenzotrifluoride
in THF contg. KOH to give title compd. II (R = 2-AcO; R3 = CF3; R5 = NO2).

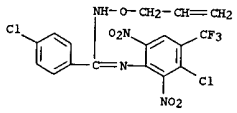
L16 ANSWER 30 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)
II (R = 4-CF3, R3 = NO2, R5 = CF3) gave 100% inhibition of Plasmopara viticola on grape seedlings when sprayed at 125 mg/L.

IT **125000-20-6P 125000-21-7P 125000-27-3P**
125000-28-4P 125000-34-2P 125000-35-3P
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of, as pesticide)

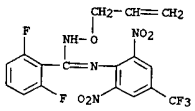
RN 125000-20-6 CAPLUS
CN Benzenecarboximidamide, 4-chloro-N-[2,6-dinitro-4-(trifluoromethyl)phenyl]-N'-(2-propenyloxy)- (9CI) (CA INDEX NAME)



RN 125000-21-7 CAPLUS
CN Benzenecarboximidamide, 4-chloro-N-[3-chloro-2,6-dinitro-4-(trifluoromethyl)phenyl]-N'-(2-propenyloxy)- (9CI) (CA INDEX NAME)

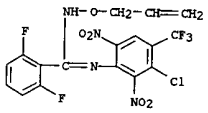


RN 125000-27-3 CAPLUS
CN Benzenecarboximidamide, N-[2,6-dinitro-4-(trifluoromethyl)phenyl]-2,6-difluoro-N'-(2-propenyloxy)- (9CI) (CA INDEX NAME)

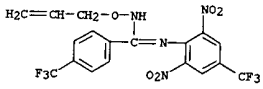


RN 125000-28-4 CAPLUS

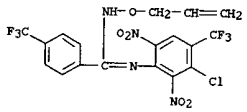
L16 ANSWER 30 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)
CN Benzenecarboximidamide, N-[3-chloro-2,6-dinitro-4-(trifluoromethyl)phenyl]-2,6-difluoro-N'-(2-propenyloxy)- (9CI) (CA INDEX NAME)



RN 125000-34-2 CAPLUS
CN Benzenecarboximidamide, N-[2,6-dinitro-4-(trifluoromethyl)phenyl]-N'-(2-propenyloxy)-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 125000-35-3 CAPLUS
CN Benzenecarboximidamide, N-[3-chloro-2,6-dinitro-4-(trifluoromethyl)phenyl]-N'-(2-propenyloxy)-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



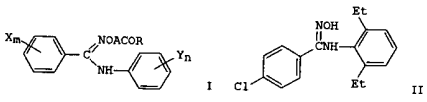
L16 ANSWER 31 OF 36 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER:	1989:594316 CAPLUS
DOCUMENT NUMBER:	111:194316
TITLE:	Preparation of O-(acylalkyl)benzanilideoximes as agrochemical fungicides
INVENTOR(S):	Oyama, Hiroshi; Umeda, Ten; Niitsuma, Shiro; Shibata, Toshihiro; Wada, Takuo
PATENT ASSIGNEE(S):	Hokko Chemical Industry Co., Ltd., Japan
SOURCE:	Jpn. Kokai Tokkyo Koho, 30 pp. CODEN: JKXXAF
DOCUMENT TYPE:	Patent
LANGUAGE:	Japanese
FAMILY ACC. NUM. COUNT:	1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 01034954	A2	19890206	JP 1988-34138	19880218

PRIORITY APPLN. INFO.: JP 1987-33486 19870218
OTHER SOURCE(S): MARPAT 111:194316
GI

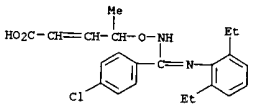


AB The title compds. I [X, Y = halo, lower alkyl, haloalkyl, alkoxy, etc.; m, n = 0-3; A = (substituted) methylene, ethylene, etc.; R = R'Z, R''R'''N; R' = H, lower alkyl, alkenyl, alkynyl, etc.; Z = O, S; R'', R''' = H, lower alkyl, alkenyl, alkynyl, etc.; or R''R'''N = (S- or N- contg.) heterocyclyl] useful as agrochem. fungicides, were prepd. A mixt. of benzamidoxime II, BrCH2CO2H, and EtONa in MeCN was stirred at room temp. for 3 h to give I (Xm = 4-Cl, Yn = 2', 6'-Et2, A = CH2, R = OH). I (Xm = 2-CF3, Yn = 2', 6'-Et2, A = CH2, R = EtO) (III) at 12.5 g/are gave complete control of Plasmodiophora brassicae. A compn. contg. III 5, lauryl sulfate 1.5, Ca ligninsulfonate, bentonite 25, and silica 67 parts was prepd.

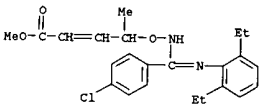
IT **122513-22-8P 122513-23-9P 122513-24-0P**
122513-25-1P 122513-26-2P 122513-37-5P
123458-34-4P
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

L16 ANSWER 31 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)
(prepn. of, as agrochem. fungicide)

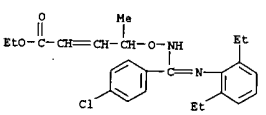
RN 122513-22-8 CAPLUS
CN 2-Pentenoic acid, 4-[[[(4-chlorophenyl)[(2,6-diethylphenyl)amino]methylene]amino]oxy]- (9CI) (CA INDEX NAME)



RN 122513-23-9 CAPLUS
CN 2-Pentenoic acid, 4-[[[(4-chlorophenyl)[(2,6-diethylphenyl)amino]methylene]amino]oxy]-, methyl ester (9CI) (CA INDEX NAME)

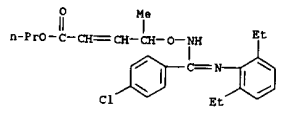


RN 122513-24-0 CAPLUS
CN 2-Pentenoic acid, 4-[[[(4-chlorophenyl)[(2,6-diethylphenyl)amino]methylene]amino]oxy]-, ethyl ester (9CI) (CA INDEX NAME)

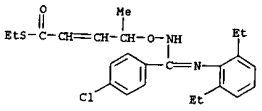


RN 122513-25-1 CAPLUS
CN 2-Pentenoic acid, 4-[[[(4-chlorophenyl)[(2,6-diethylphenyl)amino]methylene]amino]oxy]-, propyl ester (9CI) (CA INDEX NAME)

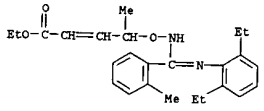
L16 ANSWER 31 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)



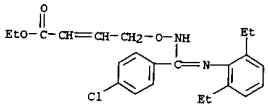
RN 122513-26-2 CAPLUS
CN 2-Pentenethioic acid, 4-[[[(4-chlorophenyl)[(2,6-diethylphenyl)amino]methylene]amino]oxy]-, S-ethyl ester (9CI) (CA INDEX NAME)



RN 122513-37-5 CAPLUS
CN 2-Pentenoic acid, 4-[[[[(2,6-diethylphenyl)amino](2-methylphenyl)methylene]amino]oxy]-, ethyl ester (9CI) (CA INDEX NAME)



RN 123458-34-4 CAPLUS
CN 2-Butenoic acid, 4-[[[(4-chlorophenyl)[(2,6-diethylphenyl)amino]methylene]amino]oxy]-, ethyl ester (9CI) (CA INDEX NAME)

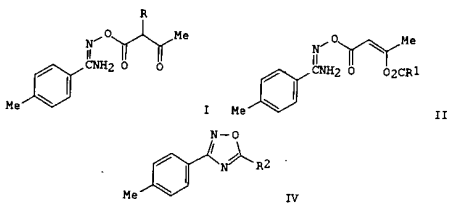


L16 ANSWER 31 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)

L16 ANSWER 32 OF 36 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER:	1987:534245 CAPLUS
DOCUMENT NUMBER:	107:134245
TITLE:	Cyclization of C- and O-acyl derivatives of p-toluamide O-acetoacetyloxime
AUTHOR(S):	Kawashima, Etsuko; Ando, Yuko; Tabei, Katsumi; Miyamae, Hiroshi
CORPORATE SOURCE:	Dep. Org. Chem., Tokyo Coll. Pharm., Hiroshi, 192-03, Japan
SOURCE:	Heterocycles (1987), 26(4), 1015-28 CODEN: HTCYAM; ISSN: 0385-5414
DOCUMENT TYPE:	Journal
LANGUAGE:	English
OTHER SOURCE(S):	CASREACT 107:134245

GI



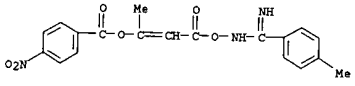
AB Reaction of p-toluamide O-acetoacetyloxime I (R = H) with R1COCl (R1 = Me, Ph, OEt, 4-O2NC6H4) in the presence of basic catalyst gave the corresponding O- and C-acyl deriv. II and I (R = COR1) (III). Cyclization of II gave 5-(2-acyloxypropenyl)-3-(p-tolyl)-1,2,4-oxadiazole derivs. IV (R2 = CH:CMeO2CR1) and 5-acetonyl-3-(p-tolyl)-1,2,4-oxadiazole IV (R2 = CH2OMe). Cyclization of III gave 5-(1-acyl-2-oxopropyl)-1,2,4-oxadiazole derivs. IV (R2 = CH(COR1)COMe). 4-(1-Amino-1-(p-tolyl)]methylene-3-methyl-2-isoxazolin-5-one and 5-substituted 3-(p-tolyl)-1,2,4-oxadiazole derivs. IV (R2 = R1).

IT **110449-18-8P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and cyclization of, oxadiazoles from)

RN 110449-18-8 CAPLUS

L16 ANSWER 32 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)

CN Benzenecarboximidamide, 4-methyl-N-[[3-[(4-nitrobenzoyl)oxy]-1-oxo-2-butenyl]oxy]- (9CI) (CA INDEX NAME)

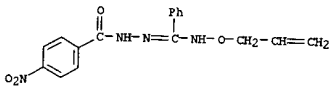


L16 ANSWER 33 OF 36 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1985:5857 CAPLUS
DOCUMENT NUMBER: 102:5857
TITLE: Reactions of N-acyl-O-alkylhydroxylamines: part V - preparation of hydroxamic ester chlorides and their nucleophilic reactions
AUTHOR(S): Misra, B. N.; Singha, A. S.; Chauhan, G. S.; Sharma, Rajinder P.
CORPORATE SOURCE: Dep. Chem., Himachal Pradesh Univ., Shimla, 171 005, India
SOURCE: Indian Journal of Chemistry, Section B: Organic Chemistry Including Medicinal Chemistry (1984), 23B(8), 728-32
CODEN: IJSBDB; ISSN: 0376-4699
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 102:5857

AB Twelve PhCCl:NOR (I; R = PhCH2, allyl, alkyl, etc.) were prepd. by the treatment of N-acyl-O-alkylhydroxylamines with PCl5 or SOCl2. I when subjected to nucleophilic reactions with thiourea, piperidine, p-nitrophenylhydrazine, p-nitrophenylhydrazide and the silver salt of p-toluenesulfonic acid gave PhCRl:NOR (Rl = H2NCSNH, piperidino, p-O2NC6H4NHNH, etc.).

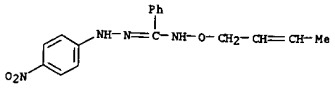
IT **93644-12-3P 93644-13-4P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 93644-12-3 CAPLUS
CN Benzoic acid, 4-nitro-, [phenyl[[(2-propenyloxy)amino]methylene]hydrazide (9CI) (CA INDEX NAME)



RN 93644-13-4 CAPLUS
CN Benzenecarboximidic acid, N-(2-butenyloxy)-, 2-(4-nitrophenyl)hydrazide (9CI) (CA INDEX NAME)

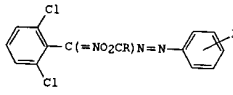
L16 ANSWER 33 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)



L16 ANSWER 34 OF 36 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1981:515055 CAPLUS
DOCUMENT NUMBER: 95:115055
TITLE: .alpha.-(Phenylazo)-2,6-dichlorobenzaldimino esters and their use as herbicides
INVENTOR(S): Gutman, Arnold D.
PATENT ASSIGNEE(S): Stauffer Chemical Co., USA
SOURCE: U.S., 8 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4270947	A	19810602	US 1979-54323	19790702
US 4425271	A	19840110	US 1980-219278	19801222
PRIORITY APPLN. INFO.:			US 1979-54323	19790702

GI



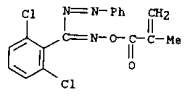
I

AB .alpha.-Acyloximino-.alpha.-(phenylazo)toluenes I (R = alkyl, cycloalkyl, haloalkyl, alkenyl, alkylthio, alkoxy, alkylamino, carbalkoxy, Ph, halophenyl; Rl = H, alkyl, halo, NO2) were prepd. and exhibited herbicidal activity. Thus, 2,6-Cl2C6H3CH:NNHPh was treated with isoamyl nitrate and NaOMe to yield 2,6-Cl2C6H3C(:NOH)N:NPh, and the latter was O-acylated by ClCH2COCl and Et3N to give I (R = CH2Cl, Rl = H).

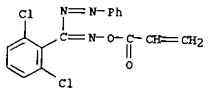
IT **78951-52-7P 78951-54-9P 78951-61-8P 78951-63-0P 78951-68-5P 78951-71-0P 78951-80-1P 78951-90-3P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. and herbicidal activity of)

RN 78951-52-7 CAPLUS
CN Diazene, [(2,6-dichlorophenyl)[[(2-methyl-1-oxo-2-propenyl)oxy]imino]methyl]phenyl- (9CI) (CA INDEX NAME)

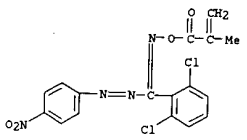
L16 ANSWER 34 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)



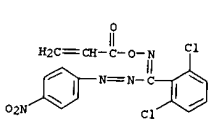
RN 78951-54-9 CAPLUS
CN Diazene, [(2,6-dichlorophenyl)[[(1-oxo-2-propenyl)oxy]imino]methyl]phenyl- (9CI) (CA INDEX NAME)



RN 78951-61-8 CAPLUS
CN Diazene, [(2,6-dichlorophenyl)[[(2-methyl-1-oxo-2-propenyl)oxy]imino]methyl](4-nitrophenyl)- (9CI) (CA INDEX NAME)

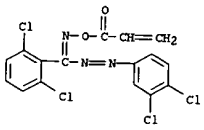


RN 78951-63-0 CAPLUS
CN Diazene, [(2,6-dichlorophenyl)[[(1-oxo-2-propenyl)oxy]imino]methyl](4-nitrophenyl)- (9CI) (CA INDEX NAME)

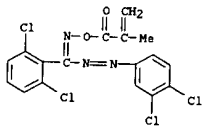


RN 78951-68-5 CAPLUS
CN Diazene, (3,4-dichlorophenyl)[(2,6-dichlorophenyl)[[(1-oxo-2-

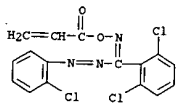
L16 ANSWER 34 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)
propenyl)oxy]imino]methyl]- (9CI) (CA INDEX NAME)



RN 78951-71-0 CAPLUS
CN Diazene,
(3,4-dichlorophenyl)[(2,6-dichlorophenyl)[[(2-methyl-1-oxo-2-propenyl)oxy]imino]methyl]- (9CI) (CA INDEX NAME)

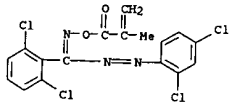


RN 78951-80-1 CAPLUS
CN Diazene, (2-chlorophenyl)[(2,6-dichlorophenyl)[[(1-oxo-2-propenyl)oxy]imino]methyl]- (9CI) (CA INDEX NAME)



RN 78951-90-3 CAPLUS
CN Diazene,
(2,4-dichlorophenyl)[(2,6-dichlorophenyl)[[(2-methyl-1-oxo-2-propenyl)oxy]imino]methyl]- (9CI) (CA INDEX NAME)

L16 ANSWER 34 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)



L16 ANSWER 35 OF 36 CAPLUS COPYRIGHT 2003 ACS

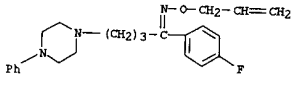
ACCESSION NUMBER: 1973:492278 CAPLUS
DOCUMENT NUMBER: 79:92278
TITLE: Pharmaceutical 1-phenyl-.omega.-(1-piperazinyl)alkanone oximes
INVENTOR(S): Buzas, Andre; Bruneau, Jacques
PATENT ASSIGNEE(S): Laboratories Bruneau et Cie.
SOURCE: Ger. Offen., 26 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2257639	A1	19730614	DE 1972-2257639	19721124
DE 2257639	A1	19730719		
FR 2162312	A1	19730720	FR 1971-44460	19711210
GB 1378080	A	19741218	GB 1972-56116	19721205

PRIORITY APPLN. INFO.: FR 1971-44460 19711210
GI For diagram(s), see printed CA Issue.
AB Twenty-nine oximes I [R = Cl or F; R1 = e.g. CH2CH2NEt2, CH2CH:CH2, .beta.-morpholinoethyl, COCHPr2, COCH:CHPh, or COC6H2(OMe)3-3,4,5; R2 = Ph or CH2C6H3O2CH2-3,4; Q = CH2, CH2CH2, (CH2)3, or CHMe] were prepd. by reaction of I (R1 = H) (II) with R1Cl and used as psychotropics, analgesics, antiinflammatory agents, antihistaminics, and spasmolytics.
II were prepd. by subsequent reaction of p-RC6H4COQCl with substituted piperazines and NH2OH.HCl.
IT 49609-44-1P
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 49609-44-1 CAPLUS
CN 1-Butanone, 1-(4-fluorophenyl)-4-(4-phenyl-1-piperazinyl)-, O-2-propenyloxime, (2Z)-2-butenedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 49862-90-0
CMF C23 H28 F N3 O

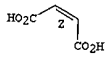


CM 2

CRN 110-16-7

L16 ANSWER 35 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)
CMF C4 H4 O4

Double bond geometry as shown.



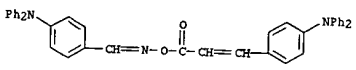
L16 ANSWER 36 OF 36 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1970:31416 CAPLUS
DOCUMENT NUMBER: 72:31416
TITLE: Substituted triarylamines with improved photoconductivity
INVENTOR(S): Brantly, Thomas B.; Fox, Charles J.
PATENT ASSIGNEE(S): Eastman Kodak Company
SOURCE: Ger. Offen., 34 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 1908346	A	19691113	DE 1969-1908346	19690219
FR 2002221	A5	19691017	FR 1969-3822	19690217
BR 6906472	A0	19730118	BR 1969-206472	19690219
GB 1258094	A	19711222	GB 1969-1258094	19690220
PRIORITY APPLN. INFO.:			US 1968-706799	19680220
			US 1968-706780	19680220

AB Title compds. are useful photoconductors in production of electrophotographic recording materials. Thus, to a soln. of 50 g 4-acetyltriphenyl-amine in tetrahydrofuran 3 equiv. aq. KClO2 was added under stirring. After 2 hr, concd. HCl was added, the ppt. filtered, and recrystd. from EtOH to give 72% p-Ph2NC6H4R (I, R = CO2H), m. 202-4.degree.. The following I were prepd. (R and m.p. given): CO2Me, 88.5-9.5.degree.; C 6H2(CO2Et)Ph2-4,3,5, 64-6.degree.; CH(OH)CH2C.tplbond.CH, ; CH2 oH, 93-4.degree.; C2H4OH, 121.degree.; CH(:NOH), 168-9.degree.; CMe(:NOH), 140-1.degree.; C6H12OH, (oil); C12H24OH, (oil); C2H4CO2H, 126-8.degree.; CONPh2, ; OH, 126-8.degree.; 2-OMe, 103-5.degree.; 2-OH, 106-8.degree.; CH(:NNHCONH2) 185-7.degree.; CMe(:NNHCONH2), 177-8.degree.. Also prepd. were the following 4-Ph2NC6H4(CR1:CR2)nX (R1, R2, n, X, and m.p. given): H, H, 1, CO2H, 175.7-7.7.degree.; H, H, 1, CO2Et, 70-2.degree.; H, H, 1, COCl, 122-4.degree.; H, H, 1, CONPh2, 201.5-3.5.degree.; H, H, 1, CO(O)COCH:CHC6H4NPh2-4, 152-6.degree.; Me, H, 1, CO2H, 191-2.degree.; H, C(CO2H):CHC6H4NPh2-4, 1, CO2H, 211-14.degree.; H, H, 1, H, (b0.cntdot.12 138.degree.); H, H, 1, CH(:NOH), 134-6.degree.; H, H, 2, CO2H, 86-91.degree.; H, H, 1, CO2N:CHC6H4NPh2-4, 174-8.degree.; H, H, 1, CO2CH2C6H4NPh2, 68-70.degree.; H, H, 2, CH(:NOH), ; H, H, 1, CO2Me, 108-9.degree.. Also prepd. was 1-(4-diphenylamino)-naphthacrylic acid, m. 247-8.degree., and 4-[N,N-bis(p-bromophenyl)-amino]cinnamic acid, m. 156-9.degree..

IT **25069-78-7P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 25069-78-7 CAPLUS

L16 ANSWER 36 OF 36 CAPLUS COPYRIGHT 2003 ACS (Continued)
CN Benzaldehyde, p-(diphenylamino)-, O-[p-(diphenylamino)cinnamoyl]oxime (8CI) (CA INDEX NAME)



=> fil stnguide
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	167.57	634.29

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-23.44	-23.44

FILE 'STNGUIDE' ENTERED AT 11:10:30 ON 28 APR 2003

FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Apr 25, 2003 (20030425/UP).

=>

---Logging off of STN---

=>
Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.48	634.77

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-23.44

STN INTERNATIONAL LOGOFF AT 11:15:32 ON 28 APR 2003